

# BUC Product Catalogue

Satellite Communications 2014



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# C-Band BUC Model Numbering

The C-Band BUC model numbering system is designed to provide unambiguous identification of BUC variants and options.

The C-Band BUC options and variants include:

RF output power:	10W and higher
RF output connector:	WR137 waveguide or N-type coaxial
RF frequency band:	Standard: 5.850 to 6.425 GHz or Extended: 5.850 to 6.725 GHz
Power supply:	18 to 60V DC, 48V DC or AC mains
Power connector:	Via IF input N connector or external power connector
CE certification:	CE certified or not certified

The BUC model number format is shown below. The model number comprises the base model number plus groups of option letters to show the particular options fitted.

The first group of digits specifies the basic BUC model and its RF output power rating, the second group specifies the RF output options and the third group specifies the power supply options. Finally, an additional character group is appended to indicate CE certification and/or special variants or options, to be used if only if needed.

Not all possible model combinations are available even though those combinations may be valid ones (e.g. the C-Band RBUCs are not available in a CE certified version). To assist with ordering, the C-Band BUC models that are available are shown on the following pages.

**M7PPV-X/Y-AA/BB-GG-ZZ**

## Model Extension Variant

### Special variants or options:

- Code allocated/use only as required
- **LB** for AC powered LBUCs
- **NI** for non-inverting BUCs

### CE certified (use only if CE certified):

- **CE** for CE certified version
- Proceed directly to special variants if not CE certified

### Power connector:

- **EX** for power fed via external connector

### Operating voltage:

- **48** for 48V DC powered
- **DC** for 18 to 60V DC powered
- **AC** for AC powered

### Frequency range:

- **S** for Standard band
- **E** for Extended band

### RF output connector:

- **N** for N-type coaxial connector
- **W** for waveguide

### Variant (use only if there is a variant):

- A letter representing RF output power rating (e.g. **20H** to designate 200W instead of 20W) or options such as **L** for LAN

### RF output power:

- Two digits representing RF output power rating (e.g. **10** for 10W)

### Placeholder ("7" for C-Band)

### Model Group:

- **4** for Mini-BUC
- **6** for MBUC & LBUC
- **7** for RBUC

# C-Band BUCs Ordering Guide

Model Number	Output Power (W)	Output (N-type or Waveguide)	Freq Band		Lo Freq Selectable					Power Supply			Power Connector (IF N-type or External Connector)	LAN
			Std: 5.850–6.425 GHz	Ext: 5.850–6.725 GHz	4.900 GHz	7.300 GHz	7.375 GHz	7.600 GHz	7.675 GHz	48 V DC	18 to 60 V DC	AC		
4710-W/S-DC/EX-NI	10	W	*		*						*		EX+IF	N
6710-W/S-48/EX	10	W	*			*	*				*		EX+IF	N
6710-N/S-48/EX	10	N	*			*	*				*		EX+IF	N
6710-W/E-48/EX-CE	10	W		*		*	*	*	*	*	*		EX+IF	N
6710-N/E-48/EX-CE	10	N		*		*	*	*	*	*	*		EX+IF	N
6720-W/S-48/EX-CE	20	W	*			*	*				*		EX+IF	N
6720-N/S-48/EX-CE	20	N	*			*	*				*		EX+IF	N
6725-W/E-AC/EX-CE	25	W		*		*	*	*	*	*		*	EX	N
6725-N/E-AC/EX-CE	25	N		*		*	*	*	*	*		*	EX	N
6740-W/S-48/EX	40	W	*			*	*				*		EX	N
6740-N/S-48/EX	40	N	*			*	*				*		EX	N
6740-W/E-48/EX	40	W		*		*	*	*	*	*	*		EX	N
6740-N/E-48/EX	40	N		*		*	*	*	*	*	*		EX	N
6740-W/S-AC/EX-LB	40	W	*			*	*					*	EX	N
6740-N/S-AC/EX-LB	40	N	*			*	*					*	EX	N
6740-W/E-AC/EX-LB	40	W		*		*	*	*	*	*		*	EX	N
6740-N/E-AC/EX-LB	40	N		*		*	*	*	*	*		*	EX	N
6740-W/E-AC/EX-CE	40	W		*		*	*	*	*	*		*	EX	N
6740-N/E-AC/EX-CE	40	N		*		*	*	*	*	*		*	EX	N
6760-W/S-AC/EX-CE	60	W	*			*	*					*	EX	N
7710H-W/S-AC/EX	100	W	*			*	*					*	EX	Y
7710H-W/E-AC/EX	100	W		*		*	*	*	*	*		*	EX	Y
7720H-W/S-AC/EX	200	W	*			*	*					*	EX	Y
7720H-W/E-AC/EX	200	W		*		*	*	*	*	*		*	EX	Y



## C-BAND MINI-BUCs

### PRODUCT



### RF OUTPUT POWER

10 W Std Band

### MODEL NUMBER

**4710-W/S-DC/EX-NI**

#### Note:

1. The Mini-BUCs are supplied as standalone units.
2. See page 18, *BUC Accessories—Standard Kit* and the 4700 & 4900 series *Mini-BUC & Mini-BUC Accessories* data sheets (part numbers 12-20245-EN & 12-20246-EN) for detailed specifications.

## ACCESSORIES

### PART NUMBER

### DESCRIPTION

<b>15-42099-000</b>	Kit, Boom Mounting, Mini-BUCs
<b>15-42100-000</b>	Kit, Panel Mounting, Mini-BUCs
<b>15-40202</b>	Kit, Connector Sealing
<b>15-40205</b>	Flange Kit, Universal, WR137 Full, 16/20/30 mm Bolts (W/G Output BUCs Only)
<b>78-01001-005</b>	Adaptor, WR137 Waveguide to N-Type
<b>60-15801</b>	Adaptor, N-type Plug to F-type Jack
<b>08-05366-010</b>	Cable, Coax 50 Ohm N-N Plug, 1 m
<b>08-05366-020</b>	Cable Coax 50 Ohm N-N Plug, 2 m
<b>08-06448-005</b>	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories (DC powered BUCs Only)
<b>67-91500</b>	Cable, 6570 to 7550, 0.7 m
<b>67-3011-0093</b>	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552) <b>(Note 2 above)</b>
<b>15-40189</b>	Kit, Waveguide, Flexible, WR137, 36" (C-Band RF Output)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
<b>78-16053</b>	Power Supply, DuraComm® CD-CLG-150-48 ODU (48 V DC 150 W for BUCs up to 20 W)
<b>LNB-C</b>	LNB, 3.4 to 4.2 GHz, 40 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>TRF-C2</b>	Transmit Reject Filter c/w Flange Kit (Pass: 3.625 to 4.200 GHz, Reject: 5.850 to 6.425 GHz)
<b>TRF-C4</b>	Transmit Reject Filter c/w Flange Kit (Pass: 3.40 to 4.20 GHz, Reject: 5.850 to 6.725GHz)
<b>7550</b>	7550 LAN Interface (c/w DC Connection Plug) <b>(Note 2 above)</b>
<b>7551</b>	10 MHz Reference Source (Indoor/Outdoor)
<b>7551-1</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit)
<b>7551-2</b>	10 MHz Reference Source (Indoor/Outdoor) With DC Cable, 2 m Coaxial Cable & Sealing Kit)
<b>7552</b>	7552 FSK to USB Interface <b>(Note 2 above)</b>

## C-BAND LBUCs


PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	10 W Std Band	<b>6710-W/S-48/EX</b> <b>6710-N/S-48/EX</b>
	10 W Ext Band	<b>6710-W/E-48/EX-CE</b> <b>6710-N/E-48/EX-CE</b>
	20 W Std Band	<b>6720-W/S-48/EX-CE</b> <b>6720-N/S-48/EX-CE</b>
	40 W St Band	<b>6740-W/S-48/EX</b> <b>6740-N/S-48/EX</b>
	40 W Ext Band	<b>6740-W/E-48/EX</b> <b>6740-N/E-48/EX</b>
	40 W St Band	<b>6740-W/S-AC/EX-LB</b> <b>6740-N/S-AC/EX-LB</b>
	40 W Ext Band	<b>6740-W/E-AC/EX-LB</b> <b>6740-N/E-AC/EX-LB</b>

## STANDARD KIT

The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
<b>08-05366-010</b>	Cable, Coax 50 Ohm N-N Plug, 1 m (N-type Output BUCs Only)
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m (AC powered BUCs Only)
<b>08-06448-005</b>	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m-BUC/Accessories (DC powered BUCs Only)
<b>15-40202</b>	Kit, Connector Sealing
<b>15-40205</b>	Flange Kit, Universal, WR 137 Full, 16/20/30 mm Bolts (W/G Output BUCs Only)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

## C-BAND MBUCs


PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	25 W Ext Band	<b>6725-W/E-AC/EX-CE</b>
		<b>6725-N/E-AC/EX-CE</b>
	40 W Ext Band	<b>6740-W/E-AC/EX-CE</b>
		<b>6740-N/E-AC/EX-CE</b>
	60 W Std Band	<b>6760-W/S-AC/EX-CE</b>

## STANDARD KIT

The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
<b>08-05366-010</b>	Cable, Coax 50 Ohm N-N Plug, 1 m (N-type Output BUCs only)
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m
<b>15-40202</b>	Kit, Connector Sealing
<b>15-40205</b>	Flange Kit, Universal, WR 137 Full, 16/20/30 mm Bolts (W/G Output BUCs only)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

## C-BAND RBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	100 W Std Band	<b>7710H-W/S-AC/EX</b>
	100 W Ext Band	<b>7710H-W/E-AC/EX</b>
	200 W Std Band	<b>7720H-W/S-AC/EX</b> (240 V AC only)
	200 W Ext Band	<b>7720H-W/E-AC/EX</b> (240 V AC only)

## STANDARD KIT

The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m
<b>15-40202</b>	Kit, Connector Sealing
<b>15-40205</b>	Flange Kit, Universal, WR 137 Full, 16/20/30 mm Bolts (W/G Output BUCs Only)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

## ACCESSORIES

### PART NUMBER

### DESCRIPTION

**Note:** Each BUC package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

<b>08-05972-002</b>	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) <b>(Note 1)</b>
<b>08-06956-002</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 2 m <b>(Note 2)</b>
<b>08-06956-006</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 6 m <b>(Note 2)</b>
<b>08-06956-050</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 50 m <b>(Note 2)</b>
<b>08-06956-100</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 100 m <b>(Note 2)</b>
<b>67-3011-0093</b>	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
<b>15-40189</b>	Kit, Waveguide, Flexible, WR137, 36" (C-Band RF Output)
<b>15-42072-000</b>	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W) <b>(Note 3)</b>
<b>15-42097-000</b>	Kit, Mounting, Boom, RBUC, C-Band, 200 W (RBUC only) <b>(Note 3)</b>
<b>15-42098-000</b>	Kit, Mounting, Pole, 8 to 12", RBUCs <b>(Note 3)</b>
<b>6560</b>	BUC Hand-held Controller
<b>6570-IU-1</b>	Remote Controller 6570 with 0.7 m Cable for 7550 LAN Interface
<b>6570-50</b>	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L
<b>6570-100*</b>	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L
<b>LNB-C</b>	LNB, 3.4 to 4.2 GHz, 40 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>RRF-C</b>	Receive Reject Filter c/w Flange Kit (Reject: 3.40 to 4.20 GHz)
<b>TRF-C2</b>	Transmit Reject Filter c/w Flange Kit (Pass: 3.625 to 4.200 GHz, Reject: 5.850 to 6.425 GHz)
<b>TRF-C4</b>	Transmit Reject Filter c/w Flange Kit (Pass: 3.40 to 4.20 GHz, Reject: 5.850 to 6.725 GHz)
<b>7550</b>	7550 LAN Interface (c/w DC Connection Plug)
<b>7551</b>	10 MHz Reference Source (Indoor/Outdoor)
<b>7551-1</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
<b>7551-2</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit
<b>7552</b>	7552 FSK to USB Interface

**Note:**

1. **The PC serial cable or LAN cable are not part of the standard package.**
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN Mini-BUCs, the RBUCs and the 7586L Controller.
3. This mounting kit is *not* part of the standard BUC package. Please order separately if required.



7550 LAN Interface



7551 Reference Source



7552 FSK to USB Interface



6560 BUC Hand-held Controller



6570 Remote Controller

\* denotes non-core products

# Ku-Band BUC Model Numbering

The Ku-Band BUC model numbering system is designed to provide unambiguous identification of BUC variants and options.

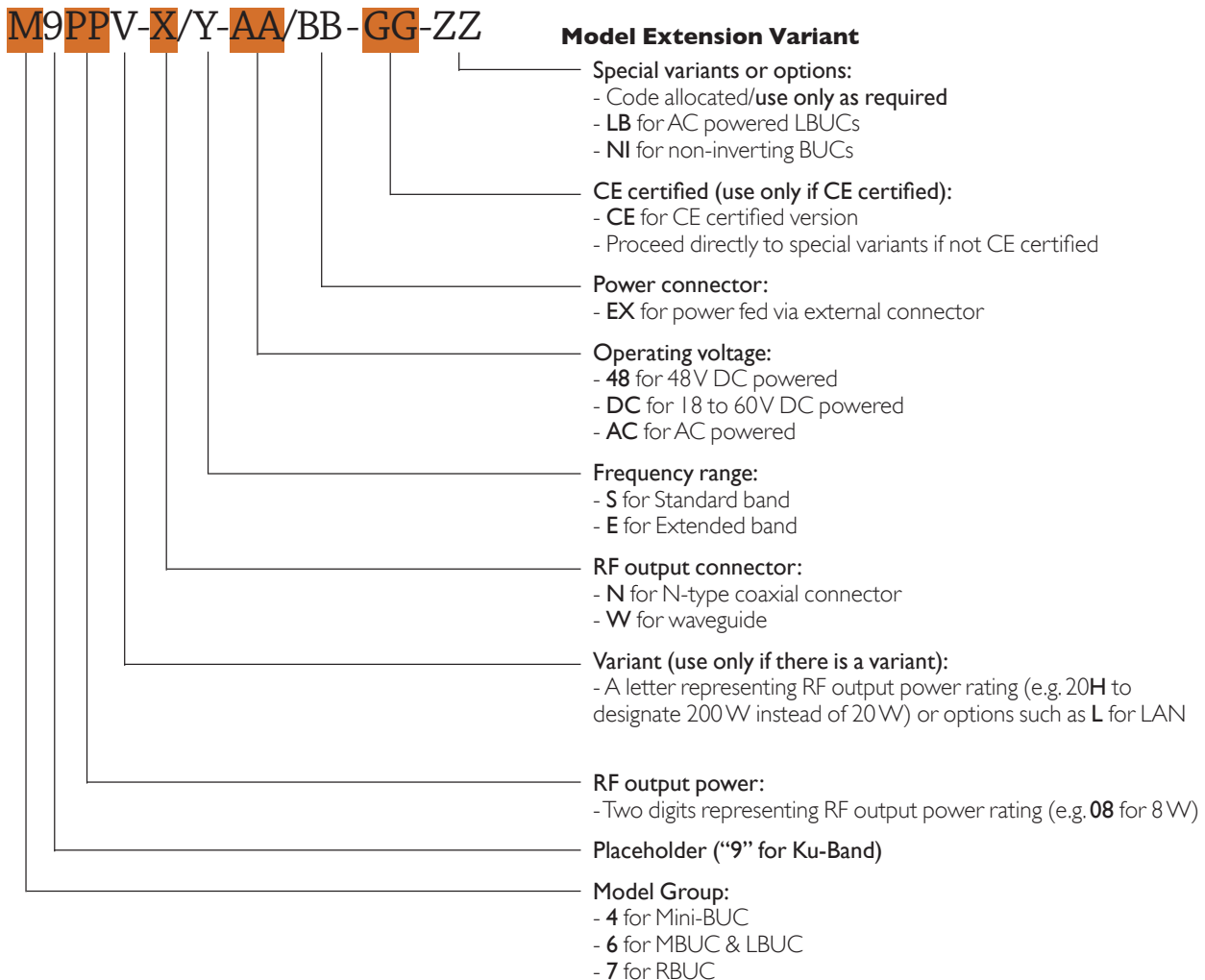
The Ku-Band BUC options and variants include:

RF output power:	8W and higher
RF frequency band:	Standard: 14.00 to 14.50 GHz or Extended: 13.75 to 14.50 GHz
Power supply:	18 to 60V DC, 48V DC or AC mains
Power connector:	Via IF input N connector or external power connector
CE certification:	CE certified or non-certified

The BUC model number format is shown below. The model number comprises the base model number plus groups of option letters to show the particular options fitted.

The first group of digits specifies the basic BUC model and its RF output power rating, the second group specifies the RF output options and the third group specifies the power supply options. Finally, an additional character group is appended to indicate CE certification and/or special variants or options, to be used only if needed.

Not all possible model combinations are available even though those combinations may be valid ones (e.g. the Ku-Band RBUCs are not available in a CE certified version). To assist with ordering, the Ku-Band BUC models that are available are shown on the following pages.





# Ku-Band BUCs Ordering Guide

Model Number	Output Power (W)	Output (W: Waveguide)	Freq Band		Lo Freq			Spectrum Conversion		Power Supply					Power Connector (IF N-type or External Connector)	LAN
			Std: 14.0-14.50 GHz	Ext: 13.75-14.50 GHz	15.45 GHz Fixed	13.05 GHz Fixed	12.80 GHz Fixed	Inverting	Non-Inverting (NI)	48 V DC Via Ext Conn	48 V DC Via IFL	18 to 60 V DC Via Ext Conn	18 to 60 V DC Via IFL	AC		
4908-W/S-DC/EX-CE-NI	8	W	*			*			*			*	*		EX+IF	N
4908-W/E-DC/EX-CE-NI	8	W		*			*		*			*	*		EX+IF	N
4916-W/S-DC/EX-NI	16	W	*			*			*	*	*				EX+IF	N
4916-W/E-DC/EX-CE-NI	16	W		*			*		*	*					EX+IF	N
4908L-W/S-DC/EX-CE-NI	8	W	*			*			*			*	*		EX+IF	Y
4908L-W/E-DC/EX-CE-NI	8	W		*			*		*			*	*		EX+IF	Y
4916L-W/S-DC/EX-NI	16	W	*			*			*	*	*				EX+IF	Y
4916L-W/E-DC/EX-CE-NI	16	W		*			*		*	*					EX+IF	Y
4940-W/S-DC/EX-CE-NI	40	W	*			*			*				*		EX	Y
4940-W/E-DC/EX-CE-NI	40	W		*			*		*				*		EX	Y
4940-W/S-AC/EX-CE-NI	40	W	*			*			*	*					EX	Y
4940-W/E-AC/EX-CE-NI	40	W		*			*		*	*					EX	Y
6908-W/E-48/EX-CE-NI	8	W		*			*		*	*					EX+IF	N
6916-W/S-48/EX-NI	16	W	*			*			*	*					EX+IF	N
6916-W/E-48/EX-CE-NI	16	W		*			*		*	*					EX+IF	N
6916-W/S-AC/EX-CE	16	W	*		*			*					*		EX	N
6916-W/E-AC/EX-CE	16	W		*	*			*					*		EX	N
6925-W/S-48/EX	25	W	*		*			*		*					EX	N
6925-W/S-AC/EX-LB	25	W	*		*			*					*		EX	N
6925-W/S-AC/EX-CE	25	W	*		*			*					*		EX	N
6925-W/E-AC/EX	25	W		*	*			*					*		EX	N
7925-W/S-48/EX-NI	25	W	*			*			*	*					EX	Y
7925-W/E-48/EX-NI	25	W		*			*		*	*					EX	Y
7940-W/S-48/EX-NI	40	W	*			*			*	*					EX	Y
7940-W/E-48/EX-NI	40	W		*			*		*	*					EX	Y
7940-W/S-AC/EX-NI	40	W	*			*			*				*		EX	Y
7940-W/E-AC/EX-NI	40	W		*			*		*				*		EX	Y

## KU-BAND MINI-BUCs

### PRODUCT

### RF OUTPUT POWER

### MODEL NUMBER

FSK Only, No LAN/RS232

8 W Std Band

**4908-W/S-DC/EX-CE-NI**



8 W Ext Band

**4908-W/E-DC/EX-CE-NI**

16 W Std Band

**4916-W/S-DC/EX-NI**

16 W Ext Band

**4916-W/E-DC/EX-CE-NI**

FSK/LAN RS232

8 W Std Band

**4908L-W/S-DC/EX-CE-NI**



8 W Ext Band

**4908L-W/E-DC/EX-CE-NI**

16 W Std Band

**4916L-W/S-DC/EX-NI**

16 W Ext Band

**4916L-W/E-DC/EX-CE-NI**

FSK/LAN/RS232

40 Std Band

**4940-W/S-DC/EX-CE-NI**



40 Ext Band

**4940-W/E-DC/EX-CE-NI**

40 Std Band

**4940-W/S-AC/EX-CE-NI**

40 Ext Band

**4940-W/E-AC/EX-CE-NI**

**Note:** Mini-BUCs are supplied as standalone units.

**Note:** See page 18, *BUC Accessories—Standard Kit* and the 4700 & 4900 series *Mini-BUC & Mini-BUC Accessories* data sheets (part numbers 12-20245-EN & 12-20246-EN) for detailed specifications.

## ACCESSORIES

### PART NUMBER

### DESCRIPTION

**15-42099-000**

Kit, Boom Mounting, Mini-BUCs

**15-42100-000**

Kit, Panel Mounting, Mini-BUCs

**15-40183**

Kit, WR75 Waveguide Adaptor (to Mate Metric to 6/32 UNC WR75 Flanges)

**15-40202**

Kit, Connector Sealing

**15-40206**

Flange Kit, WR75 Thin 25 mm Screws (Ku-Band)

**78-01030**

Adaptor, WR75 Waveguide to N-type

**60-15801**

Adaptor, N-type Plug to F-type Jack

## ACCESSORIES

### PART NUMBER

### DESCRIPTION

<b>08-05366-010</b>	Cable, Coax 50 Ohm N-N Plug, 1 m
<b>08-05366-020</b>	Cable, Coax 50 Ohm N-N Plug, 2 m
<b>08-06448-005</b>	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m (AC Powered RBUCs)
<b>08-06847-001</b>	Cable, DC, High Power, 16-11S to Free end, 5 m (48 V DC RBUCs only)
<b>08-05972-002</b>	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 only) <b>(See Note)</b>
<b>08-07189-001</b>	Cable, M&C, LAN/RJ45 Mini-BUC 1 m (8/16 W Mini-BUC only) <b>(See Note)</b>
<b>08-07189-006</b>	Cable, M&C, LAN/RJ45 Mini-BUC 6 m (8/16 W Mini-BUC only) <b>(See Note)</b>
<b>08-07189-050</b>	Cable, M&C, LAN/RJ45 Mini-BUC 50 m (8/16 W Mini-BUC only) <b>(See Note)</b>
<b>08-07189-100</b>	Cable, M&C, LAN/RJ45 Mini-BUC 100 m (8/16 W Mini-BUC only) <b>(See Note)</b>
<b>08-06956-002</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 2 m
<b>08-6956-006</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 6 m
<b>08-06956-050</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 50 m
<b>08-06956-100</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 100 m
<b>67-91500</b>	Cable, 6570 to 7550, 0.7 m
<b>67-3011-0093</b>	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
<b>15-40163</b>	Kit, Waveguide, Flexible, WR75, 36" (Ku-Band RF Output)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
<b>78-16053</b>	Power Supply, DuraComm® CD-CLG-150-48 ODU (48 V DC 150 W for BUCs up to 20 W)
<b>LNB-KU-R1</b>	LNB, 10.95 to 11.70 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>LNB-KU-R2</b>	LNB, 11.70 to 12.20 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>LNB-KU-R3</b>	LNB, 12.25 to 12.75 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>RRF-KU</b>	Receive Reject Filter c/w Flange Kit (Pass: 13.75 to 14.50 GHz, Reject: 10.70 to 12.75 GHz)
<b>TRF-KU</b>	Transmit Reject Filter c/w Flange Kit (Pass: 10.7 to 12.75 GHz, Reject :13.75 to 14.50 GHz)
<b>7550</b>	7550 LAN Interface (c/w DC Connection Plug)
<b>7551</b>	10 MHz Reference Source (Indoor/Outdoor)
<b>7551-1</b>	10MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
<b>7551-2</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit
<b>7552</b>	7552 FSK to USB Interface

**Note:** For 8 and 16 watt models only: as the pinouts for both the LAN and serial M&C are located on the one 14 pin MS connector, either a LAN or serial cable may be connected at any one time.

## KU-BAND LBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	8 W Ext Band	<b>6908-W/E-48/EX-CE-NI</b>
	16 W Std Band	<b>6916-W/S-48/EX-NI</b>
	16 W Ext Band	<b>6916-W/E-48/EX-CE-NI</b>
	25 W Std Band	<b>6925-W/S-48/EX</b>
	25 W Std Band	<b>6925-W/S-AC/EX-LB</b>


## STANDARD KIT

The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m (AC powered BUCs only)
<b>08-06448-005</b>	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m – BUC/Accessories (DC powered BUCs only)
<b>15-40202</b>	Kit, Connector Sealing
<b>15-40206</b>	Flange Kit, WR 75 Thin 25 mm Screws (Ku-Band)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)



## KU-BAND MBUCs


PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	16 W Std Band	<b>6916-W/S-AC/EX-CE</b>
	16 W Ext Band	<b>6916-W/E-AC/EX-CE</b>
	25 W Std Band	<b>6925-W/S-AC/EX-CE</b>
	25 W Ext Band	<b>6925-W/E-AC/EX</b>

## STANDARD KIT

The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m
<b>15-40202</b>	Kit, Connector Sealing
<b>15-40206</b>	Flange Kit, WR75 Thin 25 mm Screws (Ku-Band)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

## KU-BAND RBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	25 W Std Band	<b>7925-W/S-48/EX-NI</b>
	25 W Ext Band	<b>7925-W/E-48/EX-NI</b>
	40 W Std Band	<b>7940-W/S-48/EX-NI</b>
		<b>7940-W/S-AC/EX-NI</b>
	40 W Ext Band	<b>7940-W/E-48/EX-NI</b>
		<b>7940-W/E-AC/EX-NI</b>

## STANDARD KIT

The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m (AC Powered RBUCs)
<b>08-06847-001</b>	Cable, DC, High Power, 16-11S to Free end, 5 m (48 V DC RBUCs only)
<b>15-40183</b>	Kit, WR75 W/G Adaptor (to Mate Metric to 6/32 UNC WR75 Flanges)
<b>15-40202</b>	Kit, Connector Sealing
<b>15-40206</b>	Flange Kit, WR 75 Thin 25 mm Screws (Ku-Band)
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

## ACCESSORIES

### PART NUMBER

### DESCRIPTION

**Note:** Each BUC package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

<b>08-05972-002</b>	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) <b>(Note 1)</b>
<b>08-06847-001</b>	Cable, DC, Hi-Pwr, 16-11S to Free end, 5 m (48 V DC RBUCs Only)
<b>08-06956-002</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 2 m <b>(Note 2)</b>
<b>08-6956-006</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 6 m <b>(Note 2)</b>
<b>08-06956-050</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 50 m <b>(Note 2)</b>
<b>08-06956-100</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 100 m <b>(Note 2)</b>
<b>67-3011-0093</b>	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
<b>15-40163</b>	Kit, Waveguide, Flexible, WR75, 36" (Ku-Band RF Output)
<b>15-42072-000</b>	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W) <b>(Note 3)</b>
<b>15-42098-000</b>	Kit, Mounting, Pole, 8 to 12", RBUCs <b>(Note 3)</b>
<b>6560</b>	BUC Hand-held Controller
<b>6570-IU-1</b>	Remote Controller 6570 with 0.7 m Cable for 7550 LAN Interface
<b>6570-50</b>	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L
<b>6570-100*</b>	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L
<b>LNB-KU-R1</b>	LNB, 10.95 to 11.70 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>LNB-KU-R2</b>	LNB, 11.70 to 12.20 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>LNB-KU-R3</b>	LNB, 12.25 to 12.75 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
<b>RRF-KU</b>	Receive Reject Filter c/w Flange Kit (Pass: 13.75 to 14.50 GHz, Reject: 10.70 to 12.75 GHz)
<b>TRF-KU</b>	Transmit Reject Filter c/w Flange Kit (Pass: 10.7 to 12.75 GHz, Reject: 13.75 to 14.50 GHz)
<b>7550</b>	7550 LAN Interface (c/w DC Connection Plug)
<b>7551</b>	10 MHz Reference Source (Indoor/Outdoor)
<b>7551-1</b>	10MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
<b>7551-2</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit
<b>7552</b>	7552 FSK to USB Interface

**Note:**

1. The PC serial cable or LAN cable are *not* part of the standard package.
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN mini-BUCs, the RBUCs and the 7586L Controller.
3. This mounting kit is *not* part of the standard BUC package. Please order separately if required.



7550 LAN Interface



7551 Reference Source



7552 FSK to USB Interface









6560 BUC Hand-held Controller



6570 Remote Controller

## BUC ACCESSORIES

PRODUCT	MODEL / PT NO.	DESCRIPTION
	<b>7551 Reference Source</b>	<p>The 7551 is a compact indoor/outdoor high stability 10 MHz Reference Source with several intelligent features.</p> <p>The 7551 has a pass-through inline connection with the IFL. It is powered via IFL DC and external DC, and offers a daisy-chain connection to 7550 or 7552.</p>
	<b>7550 LAN Interface</b>	<p>The 7550 converts FSK data to provide direct serial USB and Telnet access to the M&amp;C serial command set of the BUC, and provides HTML pages of BUCs via an inbuilt Web server in the 7550. The 7550 provides RJ45 TCP/IP LAN, USB Type-B serial connections, and D15 connections to the 6570 Remote Controller.</p> <p>The pass-through inline connection with the IFL eliminates additional cabling to the indoor unit.</p> <p>The 7550 offers a daisy-chain connection to the 7551 10 MHz Reference Source.</p>
	<b>7552 FSK to USB Interface</b>	<p>The 7552 converts FSK data to provide direct serial USB access to the M&amp;C serial command set of the BUC via a USB port of the PC. It may be used as a permanent connection indoors or a temporary connection outdoors at the BUC.</p> <p>The pass-through inline connection with the IFL eliminates additional cabling.</p> <p>The 7552 is powered via the USB port, and offers a daisy-chain connection to the 7551 10 MHz Reference Source.</p>
	<b>6560 Hand-held Controller</b>	<p>The 6560 provides a user-friendly menu-driven M&amp;C of BUCs only. It connects directly to the BUC or indirectly via the Redundancy Controller.</p> <p><b>Note:</b> The 6560 cannot M&amp;C the 7586L Controller.</p>
	<b>6570 Remote Controller</b>	<p>The 6570 provides remote M&amp;C in a single stream or redundant system with a 50 or 100 m M&amp;C cable.</p> <p>In a redundant system, the 6570 provides remote M&amp;C of both BUCs, as well as indicating the system status and stream selection via the M&amp;C of the BUC.</p> <p><b>Note:</b> 1. The 6570 cannot M&amp;C the 7586L Controller. 2. The 6570 may also be used with the 7550 via a 0.7 m interconnecting cable (part number 67-91500).</p>
	<b>7586L Controller</b>	<p>For details on 7586L BUC Redundancy Systems, see page 21, <i>BUC Redundancy Switching Systems—C-Band</i>, and page 26, <i>BUC Redundancy Switching Systems—Ku-Band</i>.</p>

**Note:** See the 6500 & 7500 series Block Up Converter Accessories data sheet (part number 12-20185-EN) for detailed specifications of the BUC accessories.

## STANDARD KIT

### ORDER / PART NUMBER

### DESCRIPTION

**7551**

**10 MHz Reference Source**

Comprising:

**08-07036-001**

Reference Source, 7551

**08-06448-005**

Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories

**7551-1**

**10 MHz Reference Source with 1 m Cable**

Comprising:

**08-07036-001**

Reference Source, 7551

**08-05366-010**

Cable, Coax 50 Ohm N-N Plug, 1 m

**08-06448-005**

Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories

**15-40202**

Kit, Connector Sealing

**7551-2**

**10 MHz Reference Source with 2 m Cable**

Comprising:

**08-07036-001**

Reference Source, 7551

**08-05366-020**

Cable, Coax 50 Ohm N-N Plug, 2 m

**08-06448-005**

Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories

**15-40202**

Kit, Connector Sealing

**7550**

**LAN Interface**

Comprising:

**08-07133-001**

LAN Interface, 7550

Options:

**67-3011-0093**

Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)

**08-05366-010**

Cable, Coax 50 Ohm N-N Plug, 1 m

**08-05366-020**

Cable, Coax 50 Ohm N-N Plug, 2 m

**67-91500**

Cable, 6570 to 7550, 0.7 m

**60-15801**

Adaptor, N-type Plug to F-type Jack

**15-44039-EN**

BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

**7552**

**FSK to USB Interface**

Comprising:

**08-07104-001**

FSK to USB Interface, 7552



## STANDARD KIT

### PART NUMBER

### DESCRIPTION

#### Options:

**67-3011-0093**

Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)

**08-05366-010**

Cable, Coax 50 Ohm N-N Plug, 1 m

**08-05366-020**

Cable, Coax 50 Ohm N-N Plug, 2 m

**60-15801**

Adaptor, N-type Plug to F-type Jack

**15-44039-EN**

BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

**6560**

#### **Hand-held Controller**

#### Comprising:

**08-06121-001**

Hand-held Controller, 6560

**15-44039-EN**

BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

**6570-50**

#### **Remote Controller with 50 m Cable**

#### Comprising:

**08-06191-001**

Remote Controller, 6570

**08-06182-050**

Cable, M&C, 6570 to BUC/7586L, 50 m

**15-44039-EN**

BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

**6570-100**

#### **Remote Controller with 100 m Cable**

#### Comprising:

**08-06191-001**

Remote Controller, 6570

**08-06182-100**

Cable, M&C, 6570 to BUC/7586L, 100 m

**15-44039-EN**

BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

**6570-IU-1**

#### **Remote Controller with 0.6 m Cable**

#### Comprising:

**08-06191-001**

Remote Controller, 6570






**67-91500**

Cable, 6570 to 7550, 0.7 m

**15-44039-EN**

BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

## BUC POWER SUPPLIES

PRODUCT	MODEL NUMBER	DESCRIPTION
	<b>15-42073-000*</b>	The DuraComm® RMSL-1248C IDU BUC PSU is a 300/600 W heavy-duty indoor switched mode power supply (SMPS). It is rack-mounted and suitable for IF-powered BUCs up to 300 W and externally powered BUCs up to 600 W. The Bias-T blocks incoming DC and multiplexes 48 V DC with IF, Reference and FSK M&C signals.
	<b>6580B</b>	The 6580B is a 250 W heavy-duty transformer based ODU PSU. It is designed for outdoor pole mounting and is suitable for BUCs up to 16 W Ku-Band and 40 W C-Band. The Bias-T blocks incoming DC and multiplexes 48 V DC with IF, Reference and FSK M&C signals. Additionally, it has Main and Auxiliary terminal connectors for externally-powered BUCs and accessories.
	<b>7580</b>	The 7580 is a 700 W heavy-duty ODU SMPS suitable for BUCs up to 40 W Ku-Band and 100 W C-Band. The SMPS is fully sealed to IP65 standard, and is fan cooled. Designed for boom mounting on the antenna, the 7580 uses the same mounting brackets as the BUCs and weighs only 2.8 kg. It has Main and Auxiliary MS-type DC output connectors for externally-powered BUCs and accessories.
	<b>78-16053</b>	The DuraComm® CD-CLG-150-48 ODU BUC PSU is a low power 48 V DC, 3.2 A, 150 W SMPS suitable for the Mini-BUC series and DC powered LBUCs up to a 20 W. It has universal full range AC input and short-circuit/overload/over-voltage protection, and IP67 rating. The Power Supply weighs only 1.5 kg and can be mounted on a 3" maximum rectangular or round boom with the brackets provided. It has a 1 m DC lead with a mini 2 pin MS connector and a 5 m AC lead with free end.
	<b>78-16054 (7586L Only)</b>	The DuraComm® CD-CLG-60-48 ODU 7586L PSU is a low power 48 V DC, 1.3 A, 60 W SMPS with short-circuit/overload/over-voltage protection and universal full range AC input. It weighs only 0.5 kg and is fully encapsulated to IP67 for outdoor use. The PSU is specifically made to power the Codan 7586L Controller and accessories with a mini 2 pin MS connector.
		<b>Note:</b> A boom mounting bracket (part number 05-07431) and two PSUs for redundant operation are supplied in 7586 L redundancy system kits with AC powered BUCs.

\* denotes non-core products

STANDARD KIT

PART NUMBER	DESCRIPTION
<b>15-42073-000</b>	<b>Kit, PSU, DuraComm® RMSL-1248C IDU with 1 m Coax</b>
<i>Comprising:</i>	
<b>78-16044</b>	Power Supply, DuraComm® RMSL-1248C IDU (48 V DC, 350/600 W for L/RBUCs)
<b>08-05366-010</b>	Cable, Coax 50 Ohm N-N Plug, 1 m
<b>6580B-8</b>	<b>PSU, 250 W for 8" Pole Mounting</b>
<i>Comprising:</i>	
<b>08-06417-001</b>	Power Supply, 6580B
<b>15-40128</b>	Kit, Mounting, PSU, 8" Pole
<b>08-05862-010</b>	Cable, 3core 24/0.20, (No Connectors), 10 m
<b>6580B-12</b>	<b>PSU, 250 W for 12" Pole Mounting</b>
<i>Comprising:</i>	
<b>08-06417-001</b>	Power Supply, 6580B
<b>15-40147</b>	Kit, Mounting, PSU, 12" Pole
<b>08-05862-010</b>	Cable, 3core 24/0.20, (No Connectors), 10 m
<b>7580-BM</b>	<b>PSU, 700 W for Boom Mounting</b>
<i>Comprising:</i>	
<b>08-06909-001</b>	Power Supply, 7580 SMPS
<b>15-42072-000</b>	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W)
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m
<b>08-06848-001</b>	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC) 1 m
<b>7580-8</b>	<b>PSU, 700 W for 8" Pole Mounting</b>
<i>Comprising:</i>	
<b>08-06909-001</b>	Power Supply, 7580 SMPS
<b>15-40128</b>	Kit, Mounting, PSU, 8" Pole
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m
<b>08-06848-001</b>	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC) 1 m
<b>7580-12</b>	<b>PSU, 700 W for 12" Pole Mounting</b>
<i>Comprising:</i>	
<b>08-06909-001</b>	Power Supply, 7580 SMPS
<b>15-40147</b>	Kit, Mounting, PSU, 12" Pole
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m

## STANDARD KIT

PART NUMBER	DESCRIPTION
<b>08-06848-001</b>	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC) 1 m
<b>78-16053</b>	<b>PSU, 150 W for 3" Boom Mounting</b> DuraComm® CD-CLG-150-48 ODU PSU comes complete with boom-mounting brackets and with mini 2 pin 8-2S plug to connect to a BUC.
<b>78-16054</b>	<b>PSU, 60 W for 7586L Controller</b> DuraComm® CD-CLG-60-48 ODU PSU comes complete cabled with mini 2 pin 8-2S plug to connect to 7586L.

## ACCESSORIES

PART NUMBER	DESCRIPTION
<b>05-07431</b>	Rail, Mounting, Red Sys ( <b>See note below</b> )
<b>08-05366-010</b>	Cable, Coax 50 Ohm N-N Plug, 1 m
<b>08-05366-020</b>	Cable, Coax 50 Ohm N-N Plug, 2 m
<b>08-05366-030</b>	Cable, Coax 50 Ohm N-N Plug, 3 m
<b>08-05366-050</b>	Cable, Coax 50 Ohm N-N Plug, 5 m
<b>08-05366-080</b>	Cable, Coax 50 Ohm N-N Plug, 8 m
<b>08-06201-010</b>	Cable, AC Mains, 1 Connector, 10 m
<b>08-06448-005</b>	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories
<b>08-06847-001</b>	Cable, DC, Hi-Pwr, 16-11S to Free end, 5 m (48 V DC RBUCs Only)
<b>08-06848-001</b>	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC), 1 m
<b>08-06848-005</b>	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC), 5 m
<b>08-06973-001</b>	Cable, DC, Lo-Pwr, 16-11P to 8-2S (PSU to LBUC), 1 m
<b>08-06973-007</b>	Cable, DC, Lo-Pwr, 16-11P to 8-2S (PSU to LBUC), 7 m
<b>08-06974-001</b>	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 1 m
<b>08-06974-007</b>	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 7 m
<b>15-40128</b>	Kit, Mounting, PSU, 8" Pole
<b>15-40147</b>	Kit, Mounting, PSU, 12" Pole
<b>15-42072-000</b>	Kit, Mounting, Boom, Unicursal to 100 W (All L/M/RBUCs to 100 W)

**Note:** Each PSU package is supplied with the applicable standard kit. In addition the following accessories may be ordered separately.

**Note:** The 05-07431 rails are used for mounting redundant BUCs and the 7586L Controller, and are included in the redundancy system kits. Additional rails can be ordered and used with the 7580 PSU mounting kit (part number 15-42072-000) to mount two 7580 PSUs side-by-side rather than back-to-back.



# BUC Redundancy Switching Systems Ordering Codes

The BUC redundancy switching systems ordering code format is designed to provide unambiguous identification of the various redundancy systems available.

The system configuration required depends on the particular BUC and LNB variants and system option as follows:

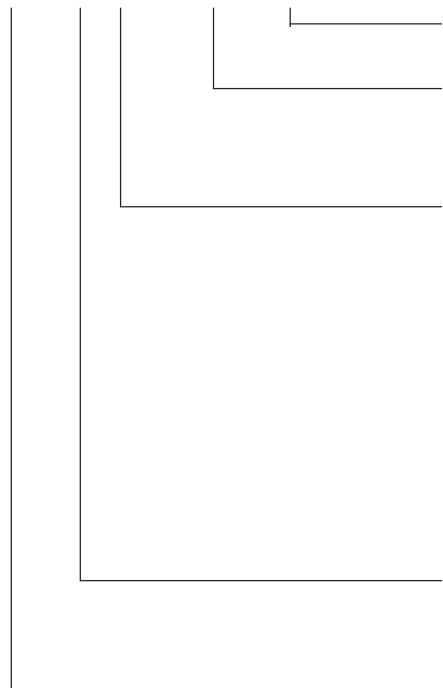
RF Frequency band:	C-Band or Ku-Band
BUC RF output connector:	N-type coaxial (C-Band only) or Waveguide (C-Band and Ku-Band)
BUC model group:	Segregated by model and RF power: LBUC, MBUC, RBUC etc
System type:	Transmit only switching or Transmit/receive switching and with/without 10 MHz Ref option

The BUC redundancy system model number format is shown on the page below. The model number comprises the base model number plus groups of option letters/numbers to specify the particular configuration.

The first group of characters specifies the fundamental frequency band of the system and the second group specifies the BUC RF output connector option. The third group specifies the BUC model group as the various BUC models have mechanical, RF output and external power differences.

Finally, the fourth character group indicates whether the system provides transmit only switching (i.e. it provides redundancy switching for only the BUC) or transmit/receive switching (i.e. it provides redundancy switching for both the BUC and the LNB). Options are indicated after the forward slash, e.g. REF.

## 7586L-AA/BCC - DD/EEE



### Model Extension Variant

**Option:**

- REF for 10 MHz Internal Reference source

**System type:**

- TR for Transmit/Receive (BUC+LNB)
- TO for Transmit Only (BUC)

**BUC model and power group:**

- A1 for min: BUCs: Ku-Band: 8W & 16W, LAN only
- L1 for LBUCs: C-Band: 10 W, 20 W & 40 W (DC powered) Ku-Band: 8 W, 16 W & 25 W
- L2 for LBUCs: C-Band: 40 W (AC powered) Ku-Band: 25 W
- M1 for MBUCs: C-Band: 25 W & 40 W Ku-Band: 16 W & 25 W
- M2 for MBUCs: C-Band: 60 W
- R1 for RBUCs: Ku-Band: DC power 25 W & 40 W
- R2 for RBUCs: C-Band: AC power 25W, 40W, 100 W
- R3 for RBUCs: C-Band: AC power 200 W

**BUC output connector:**

- N for N-type coaxial (C-Band only)
- W for Waveguide (C-Band and Ku-Band)

**Frequency band:**

- C for C-Band
- Ku for Ku-Band

# BUC Redundancy Switching Systems — C-Band

## TYPES OF REDUNDANCY SYSTEMS

TYPES OF SYSTEM	NUMBER OF BUCs & LNBS	TYPE OF SWITCH
<b>Tx Only</b>	Two BUCs with no LNBS (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR137)
<b>Tx + Rx in Tx Only Mode</b>	Two BUCs with no LNBS (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR137)
<b>Tx + Rx</b>	Two BUCs and two LNBS connected to the controller	Separate transmit and receive RF W/G switches (WR137/WR229)
<b>Tx/Rx</b>	Two BUCs and two LNBS connected to the controller	Combined WR229 Rx RF W/G and N-type Tx coaxial switch
<b>Ref Redundancy</b>	As per systems above but with Ref option included in the 7586L Controller.	

### Note:

1. The 10 MHz reference signal may be supplied to the BUCs and/or LNBS from a source such as:
  - a modem
  - the 7551 Reference Source
  - the 7586L internal 10 MHz option
2. The 7586L is capable of providing 10 MHz Ref redundancy by auto-sensing and switching between INT/EXT references.
3. The LNBS must be externally referenced.

# BUC Redundancy Switching Systems — C-Band

## C-BAND LBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	<b>7586L-C/W-L1-TO</b>	LBUC L1, C-Band, W/G, Tx Only without REF (10/20/40 W DC powered LBUCs)
	<b>7586L-C/W-L1-TO/REF</b>	LBUC L1, C-Band, W/G, Tx Only with REF (10/20/40 W DC powered LBUCs)
	<b>7586L-C/W-L2-TO</b>	LBUC L2, C-Band, W/G, Tx Only without REF (40 W AC powered LBUC)
	<b>7586L-C/W-L2-TO/REF</b>	LBUC L2, C-Band, W/G, Tx Only with REF (40 W AC powered LBUC)
	<b>7586L-C/W-L1-TR</b>	LBUC L1, C-Band, W/G, Tx + Rx without REF (10/20/40 W DC powered LBUCs)
	<b>7586L-C/W-L1-TR/REF</b>	LBUC L1, C-Band, W/G, Tx + Rx with REF (10/20/40 W DC powered LBUCs)
	<b>7586L-C/W-L2-TR</b>	LBUC L2, C-Band, W/G, Tx Only without REF (40 W AC powered LBUC)
	<b>7586L-C/W-L2-TR/REF</b>	LBUC L2, C-Band, W/G, Tx Only with REF (40 W AC powered LBUC)
	<b>7586L-C/N-L1-TR</b>	LBUC L2, C-Band, N-type, Tx/Rx without REF (10/20/40 W DC powered LBUCs)
	<b>7586L-C/N-L1-TR/REF</b>	LBUC L2, C-Band, N-type, Tx/Rx with REF (10/20/40 W DC powered LBUCs)
	<b>7586L-C/N-L2-TR</b>	LBUC L2, C-Band, N-type, Tx/Rx without REF (40 W AC powered LBUC)
	<b>7586L-C/N-L2-TR/REF</b>	LBUC L2, C-Band, N-type, Tx/Rx with REF (40 W AC powered LBUC)

**Note:** 1. Single WRI 37 Tx/W/G switch.  
2. Not upgradeable to Tx and Rx system.

**Note:** 1. Separate WRI 37 Tx and WR229 Rx/W/G switches.  
2. Can be configured as Tx Only system.

**Note:** 1. Combined WR229 Rx/W/G with N-Type Tx switch.  
2. Cannot be used as Tx Only system.

# BUC Redundancy Switching Systems — C-Band

## C-BAND RBUCs

### PRODUCT

### MODEL NUMBER

### DESCRIPTION



**7586L-C/W-R2-TO**

RBUC R2, C-Band, (100 W AC), W/G, Tx Only without REF

**7586L-C/W-R2-TO/REF**

RBUC R2, C-Band, (100 W AC), W/G, Tx Only with REF

**7586L-C/W-R3-TO**

RBUC R3, C-Band, (200 W AC), W/G, Tx Only without REF

**7586L-C/W-R3-TO/REF**

RBUC R3, C-Band, (200 W AC), W/G, Tx Only with REF

**Note:** 1. Single WR137Tx/W/G switch.  
2. Not upgradeable to Tx and Rx system.



**7586L-C/W-R2-TR**

RBUC R2, C-Band, (100 W AC), W/G, Tx + Rx without REF

**7586L-C/W-R2-TR/REF**

RBUC R2, C-Band, (100 W AC), W/G, Tx + Rx with REF

**7586L-C/W-R3-TR**

RBUC R3, C-Band, (200 W AC), W/G, Tx + Rx without REF

**7586L-C/W-R3-TR/REF**

RBUC R3, C-Band, (200 W AC), W/G, Tx + Rx without REF

**Note:** 1. Separate WR137Tx and WR229 Rx/W/G switches.  
2. Can be configured as Tx Only system.

# BUC Redundancy Switching Systems — C-Band

## C-BAND MBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	<b>7586L-C/W-M1-TO</b>	MBUC M1, C-Band, (25/40 W), W/G, Tx Only without REF
	<b>7586L-C/W-M1-TO/REF</b>	MBUC M1, C-Band (25/40 W), W/G, Tx Only with REF
	<b>7586L-C/W-M2-TO</b>	MBUC M2, C-Band (60 W), W/G, Tx Only without REF
	<b>7586L-C/W-M2-TO/REF</b>	MBUC M2, C-Band, (60 W), W/G, Tx Only with REF <b>Note:</b> 1. Single WRI 37Tx/W/G switch. 2. Not upgradeable to Tx and Rx system.
	<b>7586L-C/W-M1-TR</b>	MBUC M1, C-Band, (25/40 W), W/G, Tx + Rx without REF
	<b>7586L-C/W-M1-TR/REF</b>	MBUC M1, C-Band, (25/40 W), W/G, Tx + Rx with REF
	<b>7586L-C/W-M2-TR</b>	MBUC M2, C-Band, (60 W), W/G, Tx + Rx without REF
	<b>7586L-C/W-M2-TR/REF</b>	MBUC M2, C-Band, (60 W), W/G, Tx + Rx with REF <b>Note:</b> 1. Separate WRI 37Tx and WR229 Rx/W/G switches. 2. Can be configured as Tx Only system.
	<b>7586L-C/N-M1-TR</b>	MBUC M1, C-Band, (25/40 W), N-type, Tx/Rx without REF
	<b>7586L-C/N-M1-TR/REF</b>	MBUC M1, C-Band, (25/40 W), N-type, Tx/Rx with REF <b>Note:</b> 1. Combined WR229 Rx/W/G with N-Type Tx switch. 2. Cannot be used as Tx Only system.

## STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION
<b>08-06997-001</b>	Controller, 7586L, Tx Only
<b>08-06997-002</b>	Controller, 7586L, Tx Only with REF 10 MHz
<b>08-06997-003</b>	Controller, 7586L, Tx + Rx
<b>08-06997-004</b>	Controller, 7586L, Tx + Rx with REF 10 MHz
<b>15-42076-000</b>	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx + Rx (10/20/40 W DC powered LBUCs)
<b>15-42077-000</b>	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx Only (10/20/40 W DC powered LBUCs)

**Note:** Each system listed on the previous pages consists of a 7586L Controller variant and a matching kit from the list below. Refer to System Solutions (part number 17-60114) and Installation Instructions for kit contents.

# BUC Redundancy Switching Systems — C-Band

## STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION
<b>15-42078-000</b>	Kit, Red Sys, LBUC L1, C-Band, N-type, Tx/Rx (10/20/40 W DC powered LBUCs)
<b>15-42079-000</b>	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx + Rx (25/40 W)
<b>15-42080-000</b>	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx Only (25/40 W)
<b>15-42081-000</b>	Kit, Red Sys, MBUC M1, C-Band, N-type, Tx/Rx (25/40 W)
<b>15-42082-000</b>	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx + Rx (60 W)
<b>15-42083-000</b>	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx Only (60 W)
<b>15-42084-000</b>	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx Only (100 W)
<b>15-42085-000</b>	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx + Rx (100 W)
<b>15-42094-000</b>	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx Only (200 W)
<b>15-42095-000</b>	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx + Rx (200 W)
<b>15-42102-000</b>	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx Only (40 W AC powered LBUC)
<b>15-42103-000</b>	Kit, Red Sys, LBUC L2, C-Band, N-type, Tx/Rx (40 W AC powered LBUC)
<b>15-42104-000</b>	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx + Rx (40 W AC powered LBUC)

## ACCESSORIES

MODEL NUMBER	DESCRIPTION
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**Note:** Each BUC Redundancy package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

<b>08-05972-002</b>	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) <b>(Note 1 below)</b>
<b>08-06956-002</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 2 m <b>(Note 2)</b>
<b>08-06956-006</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 6 m <b>(Note 2)</b>
<b>08-06956-050</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 50 m <b>(Note 2)</b>
<b>08-06956-100</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 100 m <b>(Note 2)</b>
<b>6570-50</b>	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L <b>(Note 3)</b>
<b>6570-100</b>	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L <b>(Note 3)</b>
<b>7551</b>	10 MHz Reference Source (Indoor/Outdoor)
<b>7551-1</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
<b>7551-2</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit

**Note:**

1. The PC serial cable or LAN cable are *not* part of the standard package.
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN settings in the LAN Mini-BUCs, the RBUCs and the 7586L Controller.
3. The 7586L Controller provides a pass-through connection to the BUCs for the 6560 and 6570 Remote Controllers. The 6560 and 6570 cannot configure or monitor the 7586L directly.



# BUC Redundancy Switching Systems — Ku-Band

## TYPES OF REDUNDANCY SYSTEMS

TYPES OF SYSTEM	NUMBER OF BUCs & LNBS	TYPE OF SWITCH
<b>Tx Only</b>	Two BUCs with no LNBS (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR 75)
<b>Tx + Rx in Tx Only mode</b>	Two BUCs with no LNBS (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR75)
<b>Tx + Rx</b>	Two BUCs and two LNBS connected to the controller	Separate transmit and receive RF W/G switches (both WR75)
<b>Ref Redundancy</b>	As per systems above but with Ref Option included in the 7586L Controller.	

### Note:





- The 10 MHz reference signal may be supplied to the BUCs and/or LNBS from a source such as:
  - a modem
  - the 7551 Reference Source
  - the 7586L internal 10 MHz option
- The 7586L is capable of providing 10 MHz Ref redundancy by auto-sensing and switching between INT/EXT references.
- The LNBS must be externally referenced.

## KU-BAND LBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	<b>7586L-KU/W-L1-TO</b>	LBUC L1, Ku-Band, W/G, Tx Only without REF (8/16/25 W DC powered LBUCs)
	<b>7586L-KU/W-L1-TO/REF</b>	LBUC L1, Ku-Band, W/G, Tx Only with REF (8/16/25 W LBUCs)
	<b>7586L-KU/W-L2-TO</b>	LBUC L2, Ku-Band, W/G, Tx Only without REF (25 W AC powered LBUC)
	<b>7586L-KU/W-L2-TO/REF</b>	LBUC L2, Ku-Band, W/G, Tx Only with REF (25 W AC powered LBUC)
<b>Note:</b> 1. Single WR75 Tx W/G switch. 2. Not upgradeable to Tx and Rx system.		
	<b>7586L-KU/W-L1-TR</b>	LBUC L1, Ku-Band, W/G, Tx + Rx without REF (8/16/25 W LBUCs)
	<b>7586L-KU/W-L1-TR/REF</b>	LBUC L1, Ku-Band, W/G, Tx + Rx with REF (8/16/25 W LBUCs)
	<b>7586L-KU/W-L2-TR</b>	LBUC L2, Ku-Band, W/G, Tx + Rx without REF (25 W AC powered LBUC)
	<b>7586L-KU/W-L2-TR/REF</b>	LBUC L2, Ku-Band, W/G, Tx + Rx with REF (25 W AC powered LBUC)
<b>Note:</b> 1. Separate WR75 Tx and WR75 Rx W/G switches. 2. Can be configured as Tx Only system.		

# BUC Redundancy Switching Systems — Ku-Band

## KU-BAND MINI-BUCs





PRODUCT	MODEL NUMBER	DESCRIPTION
	<b>7586L-KU/W-A1-TO</b>	Mini-BUC A1, Ku-Band, W/G, Tx Only without REF
	<b>7586L-KU/W-A1-TO/REF</b>	Mini-BUC A1, Ku-Band, W/G, Tx Only with REF <b>Note:</b> 1. Single WRI 37Tx W/G switch. 2. Not upgradeable to Tx and Rx system
	<b>7586L-KU/W-A1-TR</b>	Mini-BUC A1, Ku-Band, W/G, Tx + Rx without REF
	<b>7586L-KU/W-A1-TR/REF</b>	Mini-BUC A1, Ku-Band, W/G, Tx + Rx with REF <b>Note:</b> 1. Separate WRI 37Tx and WR229 Rx W/G switches. 2. Can be configured as Tx Only system.

## KU-BAND RBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	<b>7586L-KU/W-R1-TO</b>	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx Only without REF
	<b>7586L-KU/W-R1-TO/REF</b>	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx Only with REF
	<b>7586L-KU/W-R2-TO</b>	RBUC R2, Ku-Band, (40 W AC), W/G, Tx Only without REF
	<b>7586L-KU/W-R2-TO/REF</b>	RBUC R2, Ku-Band, (40 W AC), W/G, Tx Only with REF <b>Note:</b> 1. Single WR75Tx W/G switch. 2. Not upgradeable to Tx and Rx system 3. Includes GaN 40W
	<b>7586L-KU/W-R1-TR</b>	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx + Rx without REF
	<b>7586L-KU/W-R1-TR/REF</b>	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx + Rx with REF
	<b>7586L-KU/W-R2-TR</b>	RBUC R2, Ku-Band, (25 or 40 W AC), W/G, Tx + Rx without REF
	<b>7586L-KU/W-R2-TR/REF</b>	RBUC R2, Ku-Band, (25 or 40 W AC), W/G, Tx + Rx with REF <b>Note:</b> 1. Separate WR75Tx and WR75 Rx W/G switches. 2. Can be configured as Tx Only system. 3. Includes GaN 40W

# BUC Redundancy Switching Systems — Ku-Band

## KU-BAND MBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	<b>7586L-KU/W-M1-TO</b>	MBUC M1, Ku-Band, (16/25 W), W/G, Tx Only without REF
	<b>7586L-KU/W-M1-TO/REF</b>	MBUC M1, Ku-Band, (16/25 W), W/G, Tx Only with REF <b>Note:</b> 1. Single WR75 Tx W/G switch. 2. Not upgradeable to Tx and Rx system.
	<b>7586L-KU/W-M1-TR</b>	MBUC M1, Ku-Band, (16/25 W), W/G, Tx + Rx without REF
	<b>7586L-KU/W-M1-TR/REF</b>	MBUC M1, Ku-Band, (16/25 W), W/G, Tx + Rx with REF <b>Note:</b> 1. Separate WR75 Tx and WR75 Rx W/G switches. 2. Can be configured as Tx Only system.

## STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION
<b>08-06997-001</b>	Controller, 7586L, Tx Only
<b>08-06997-002</b>	Controller, 7586L, Tx Only with REF 10 MHz
<b>08-06997-003</b>	Controller, 7586L, Tx + Rx
<b>08-06997-004</b>	Controller, 7586L, Tx + Rx with REF 10 MHz
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx Only (8/16 W) (TBD)
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx + Rx (8/16 W) (TBD)
<b>15-42088-000</b>	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx Only (8/16/25 W DC powered LBUCs)
<b>15-42089-000</b>	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx + Rx (8/16/25 W DC powered LBUCs)
<b>15-42090-000</b>	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx Only (16/25 W)
<b>15-42091-000</b>	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx + Rx (16/25 W)
<b>15-42092-000</b>	Kit, Red Sys, RBUC R1, Ku-Band, W/G, DC, Tx Only (40 W)
<b>15-42093-000</b>	Kit, Red Sys, RBUC R1, Ku-Band, W/G, DC, Tx + Rx (40 W)
<b>15-42105-000</b>	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx Only (25 W AC powered LBUC)
<b>15-42106-000</b>	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx + Rx (25 W AC powered LBUC)
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx Only (TBD)
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx + Rx (TBD)

# BUC Redundancy Switching Systems — Ku-Band

## ACCESSORIES

### MODEL NUMBER

### DESCRIPTION

**Note:** Each BUC Redundancy package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

<b>08-05972-002</b>	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) <b>(Note 1)</b>
<b>08-06956-002</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 2 m <b>(Note 2)</b>
<b>08-06956-006</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 6 m <b>(Note 2)</b>
<b>08-06956-050</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 50 m <b>(Note 2)</b>
<b>08-06956-100</b>	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 100 m <b>(Note 2)</b>
<b>6570-50</b>	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L <b>(Note 3)</b>
<b>6570-100</b>	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L <b>(Note 3)</b>
<b>7551</b>	10 MHz Reference Source (Indoor/Outdoor)
<b>7551-1</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
<b>7551-2</b>	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit

**Note:**

1. The PC serial cable or LAN cable are *not* part of the standard package.
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN Mini-BUCs, the GaN Mini-BUCs, the RBUCs and the 7586L Controller.
3. The 7586L Controller provides a pass-through connection to the BUCs for the 6560 and 6570 Remote Controllers. The 6560 and 6570 cannot configure or monitor the 7586L directly.

# BUC Redundancy Switching Systems Components Ordering Guide

PART NUMBER	DESCRIPTION
<b>C-Band</b>	
<b>08-06104-003</b>	Cable, M&C, Controller to Rx W/G Sw (WR229 C-Band), 3 m
<b>08-06104-008</b>	Cable, M&C, Controller to Rx W/G Sw (WR229 C-Band), 8 m
<b>15-40096</b>	Flange Kit, WR137 Full c/w Nuts
<b>15-40106</b>	Flange Kit, WR229 Full 16 mm
<b>15-40108</b>	Flange Kit, WR229 Half 8 mm
<b>15-40123</b>	Flange Kit, WR137 Full, 12 mm Skrews
<b>15-40205</b>	Flange Kit, Universal, WR137 Full, 16/20/30 mm Bolts
<b>15-42076-000</b>	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx + Rx (10/20/40 W DC powered LBUCs)
<b>15-42077-000</b>	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx Only (10/20/40 W DC powered LBUCs)
<b>15-42078-000</b>	Kit, Red Sys, LBUC L1, C-Band, N-type, Tx/Rx (10/20/40 W DC powered LBUCs)
<b>15-42079-000</b>	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx + Rx (25/40 W)
<b>15-42080-000</b>	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx Only (25/40 W)
<b>15-42081-000</b>	Kit, Red Sys, MBUC M1, N-type, W/G, Tx/Rx (25/40 W)
<b>15-42082-000</b>	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx + Rx (60 W)
<b>15-42083-000</b>	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx Only (60 W)
<b>15-42084-000</b>	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx Only (100 W)
<b>15-42085-000</b>	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx + Rx (100 W)
<b>15-42094-000</b>	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx Only (200 W)
<b>15-42095-000</b>	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx + Rx (200 W)
<b>15-42102-000</b>	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx Only (40 W AC powered LBUC)
<b>15-42103-000</b>	Kit, Red Sys, LBUC L2, C-Band, N-type, Tx/Rx (40 W AC powered LBUC)
<b>15-42104-000</b>	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx + Rx (40 W AC powered LBUC)
<b>78-01001-005</b>	Adaptor, WR137 Waveguide to N-Type
<b>78-01101</b>	Attenuator, 30 dB, 50 W N-type DC—8.5 GHz
<b>78-18005-002</b>	Relay, 4-port, WR137 Waveguide (C-Band Tx)
<b>78-18005-003</b>	Relay, 4-port, WR229 Waveguide (C-Band Rx)
<b>78-18005-004</b>	Relay, Dual WR229 Waveguide & N-type (C-Band Combined Tx/Rx)
<b>78-20042</b>	Termination, N-type Male, Coax, 50 W, DC—8.5 GHz
<b>78-23011-001</b>	Waveguide Bend, 90 Degrees, WR137, 3" x 3"
<b>78-23015</b>	Waveguide Termination, 125 W, WR137
<b>78-23027</b>	Waveguide Termination, 300 W, WR137
<b>78-23054</b>	Waveguide E-Bend, 90 Degrees, WR 137, 3" x 5"
<b>78-23087</b>	Waveguide, Straight, WR137, CPRG 2" Long (Used in R3 Red Sys)

# BUC Redundancy Switching Systems Components Ordering Guide

## PART NUMBER

## DESCRIPTION

### Ku-Band

<b>08-06166-003</b>	Cable, M&C, Controller to Rx W/G Sw (WR75 Ku), 3 m
<b>08-06166-008</b>	Cable, M&C, Controller to Rx W/G Sw (WR75 Ku), 8 m
<b>15-40172</b>	Flange Kit, WR75, Thick Groove
<b>15-40173</b>	Flange Kit, WR75, Thin Groove
<b>15-40174</b>	Flange Kit, WR75, Universal
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx Only (8/16 W) (TBD)
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx + Rx (8/16 W) (TBD)
<b>15-42088-000</b>	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx Only (8/16/25 W DC powered LBUCs)
<b>15-42089-000</b>	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx + Rx (8/16/25 W DC powered LBUCs)
<b>15-42090-000</b>	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx Only (16/25 W)
<b>15-42091-000</b>	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx + Rx (16/25 W)
<b>15-42092-000</b>	Kit, Red Sys, RBUC R1, Ku-Band, W/G, Tx Only (40 W)
<b>15-42093-000</b>	Kit, Red Sys, RBUC R1, Ku-Band, W/G, Tx + Rx (40 W)
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx Only (TBD)
<b>15-XXXXXX-XXX</b>	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx + Rx (TBD)
<b>15-42105-000</b>	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx Only (25 W AC powered LBUC)
<b>15-42106-000</b>	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx + Rx (25 W AC powered LBUC)
<b>78-18008</b>	Relay, 4-port WR75 Waveguide (Ku-Band Tx or Rx)
<b>78-23018</b>	Waveguide Rigid, WR75, 2"
<b>78-23019</b>	Waveguide Bend, 90 Degrees, WR75, 3.2" x 2"
<b>78-23020</b>	Waveguide Termination, 25 W, WR75
<b>78-23021</b>	Waveguide Termination, 75 W, WR75
<b>78-23055</b>	Waveguide H-Bend, 90 Degrees, WR75, 2" x 2"

### Common Components

<b>05-07431</b>	Rail, Mounting, Red Sys ( <b>See note below</b> )
<b>08-05366-006</b>	Cable, Coax 50 Ohm N-N Plug, 0.6 m
<b>08-05366-010</b>	Cable, Coax 50 Ohm N-N Plug, 1 m
<b>08-05366-020</b>	Cable, Coax 50 Ohm N-N Plug, 2 m
<b>08-05366-030</b>	Cable, Coax 50 Ohm N-N Plug, 3 m
<b>08-05366-050</b>	Cable, Coax 50 Ohm N-N Plug, 5 m
<b>08-05366-080</b>	Cable, Coax 50 Ohm N-N Plug, 8 m
<b>08-05972-002</b>	Cable, M&C, Serial MS 14P to DB9S (BUC/Controller), 2 m (RS232 Only)

**Note:** The 05-07431 rails are used for mounting redundant BUCs and the 7586L Controller, and are included in the redundancy system kits. Additional rails can be ordered and used with the 7580 PSU mounting kit (part number 15-42072-000) to mount two 7580 PSUs side-by-side rather than back-to-back.



# BUC Redundancy Switching Systems Components Ordering Guide

PART NUMBER	DESCRIPTION
<b>Common Components cont.</b>	
<b>08-06099-001</b>	Cable, M&C, Controller to BUC, 1 m
<b>08-06099-005</b>	Cable, M&C, Controller to BUC, 5 m
<b>08-06103-002</b>	Cable, M&C, Controller to Tx W/G Sw (C/Ku), 2 m
<b>08-06103-005</b>	Cable, M&C, Controller to Tx W/G Sw (C/Ku), 5 m
<b>08-06182-050</b>	Cable, M&C, 6570 to BUC/7586L, 50 m
<b>08-06182-100</b>	Cable, M&C, 6570 to BUC/7586L, 100 m
<b>08-06956-002</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 2 m
<b>08-06956-006</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 6 m
<b>08-06956-050</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 50 m
<b>08-06956-100</b>	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 100 m
<b>08-06974-001</b>	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 1 m
<b>08-06974-007</b>	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 7 m
<b>08-06997-001</b>	Controller, 7586L, Tx Only
<b>08-06997-002</b>	Controller, 7586L, Tx Only with REF 10 MHz
<b>08-06997-003</b>	Controller, 7586L, Tx + Rx
<b>08-06997-004</b>	Controller, 7586L, Tx + Rx with REF 10 MHz
<b>15-40202</b>	Kit, Connector Sealing
<b>15-42072-000</b>	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W)
<b>15-42074-000</b>	Kit, Mounting, Boom, Controller, 7586L
<b>15-42096-000</b>	Kit, Mounting, Pole, Controller, 7586L
<b>15-44039-EN</b>	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
<b>60-15863-945</b>	Adaptor, N-type, 90 Degree, Male to Female
<b>78-16054</b>	Power Supply, DuraComm® CD-CLG-60-48 ODU with Mini 2-pin AUX Conn (48 V DC, 60 W, Redcy Systems Only)