

# Satcom Klystron Quick Reference Guide

## C, Ku and X Band Series\*

Tube Type	Bandwidth (MHz)	Frequency Range† (GHz)	Output Power Min. (Watts)
VKC2486A	40	6.700 to 7.050	3000
VKC2486B	50	7.050	3000
VKC2486C	40	7.145 to 7.235	3000
VKC2486D	40	6.720 to 7.200	3350
VKC2486E	50	7.050	3350
VKC2489A	45	5.872 to 6.703	3350
VKC2489B	45	5.745 to 6.703	3350
VKC2489C	45	5.837 to 6.713	3350
VKC2490A	45	5.890 to 6.685	3350
VKC2495A	80	5.850 to 6.725	3000
VKC2936R	45	5.850 to 6.425	3400
VA936/VKC7936G	45	5.925 to 6.425	3000
VA936/VKC7936J	40	5.925 to 6.425	1500
VA936/VKC7936L	45	5.925 to 6.425	3350
VA936/VKC7936R	45	5.850 to 6.425	3350
VA936/VKC7936T	40	5.850 to 6.425	1500
VKC7936W	45	5.925 to 6.460	3350
VKC7936X	45	5.945 to 6.435	3350
VKC7936Y	45	5.850 to 6.480	3350
VKC7980B	80	5.850 to 6.410	3000
VKC7980W	80	5.925 to 6.460	3000
VKC7988A1	14	4.400 to 5.000	1200
VKC7988B2	16	4.400 to 5.000	2600
VKU2454A	80	12.79 to 13.21	2200
VKU2455A	80	13.79 to 14.46	2000
VKU2455B	85	13.72 to 14.44	2450
VKU2455D	85	13.72 to 14.475	2450
VKU2455E	85	13.72 to 14.44	2450
VKU2482B	85	14.50 to 14.80	2000
VKU2482C	85	14.50 to 14.80	2450
VKU2484A	85	14.025 to 14.475	2450
VKU2491A	80	12.79 to 13.21	2200
VKU2492A	85	14.025 to 14.475	2000
VKU2493A	85	13.72 to 14.475	2450
VKU7791J	85	14.025 to 14.475	2000
VKU7791P	75	14.00 to 14.50	1200
VKU7820A	85	14.025 to 14.475	2450
VKX2487A	45	7.900 to 8.400	2500
VKX7780E2	40	7.900 to 8.400	1630
VKX7780E3	40	7.900 to 8.400	1600
VKX7780F1	40	7.900 to 8.400	830

\* Most tubes listed available in 6,8,12, 24 or Digital-50 channel configurations.

† All frequencies listed are channel centers.

### **MSDC Klystrons\***

<b>Tube Type</b>	<b>Bandwidth (MHz)</b>	<b>Frequency Range† (GHz)</b>	<b>Output Power Min. (Watts)</b>
VKC2500A	45	5.745 to 6.703	2500
VKC2500B	45	5.745 to 6.703	3350
VKC2500C	45	5.850 to 6.703	3350
VKU2501A	85	14.0 to 14.5	2450
VKU2501B	85	13.72 to 14.5	2450
VKU2502A	85	12.79 to 13.21	2450
VKC2503A	45	5.850 to 6.425	2500
VKC2503B	45	5.850 to 6.425	3350

\* Most tubes listed available in 6,8,12, 24 or Digital-50 channel configurations.

† All frequencies listed are channel centers.

### **Extended Interaction Klystrons\***

<b>Tube Type</b>	<b>Bandwidth (MHz)</b>	<b>Frequency Range† (GHz)</b>	<b>Output Power Min. (Watts)</b>
VKA2400	500	27.0 – 31.0	250
“	400	27.0 – 31.0	325
“	250	27.0 – 31.0	500
“	100	27.0 – 31.0	850
“	50	27.0 – 31.0	1000
VKQ2477**	200	40.0 – 47.0	250
“	400	43.0 – 47.0	500

\*This list provides a guide to the performance CPI has to offer. Extended Interaction Klystrons are being developed for the growing millimeter-wave Satcom market and can be designed from 25 GHz to 100 GHz.

\*\*Currently under development

† Extended Interaction Klystrons are fixed tuned. The current choice of center frequencies are listed.



*This document is intended to be used as a reference guide.  
For more detailed specifications, please contact your local  
CPI office or CPI Canada Inc.*

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