



Integrated Front Ends

CPI Beverly Microwave Division manufactures a variety of RF Front Ends using both Ferrite Circulator and Balanced Hybrid Duplexing Technology



Typical Operating Parameters						
Frequency	L-Band	S-Band	C-Band	X-Band	Ku-Band	Ka-band
Peak Power Handling	100 KW	100 KW	100 KW	50 KW	20 KW	10 KW
Average Power Handling	500 W	500 W	100 W	50 W	20 W	10 W
Pulse Width	100 μ s	100 μ s	100 μ s	100 μ s	50 μ s	5 μ s
Transmit Path Loss	0.4 dB	0.4 dB	0.5 dB	0.6 dB	0.8 dB	1.0 dB
Noise Figure	3.5 dB	3.5 dB	4.5 dB	5.0 dB	6.0 dB	7.0 dB
Gain	30 dB	30 dB	30 dB	20 dB	20 dB	20 dB
Max Output Power				+20 dBm	+16 dBm	
Recovery Time	2 μ s	2 μ s	2 μ s	2 μ s	1 μ s	1 μ s
1 dB Compression	+12 dBm	+12 dBm	+12 dBm	+10 dBm	+10 dBm	+12 dBm

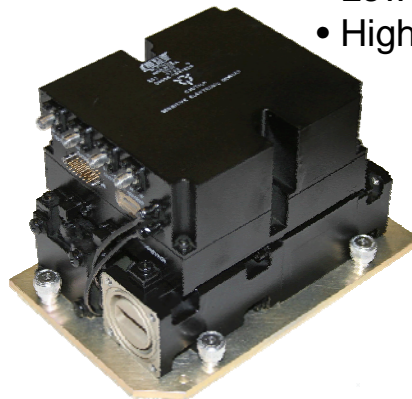


Multifunction Capability

- Variable Attenuation
- Excess Noise
- Calibration couplers

Performance Advantages

- Low Noise Figure
- High Power Handling



The values listed above represent typical limits for the product and design trade-offs are available for enhanced performance of various parameters. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For information on this and other CPI products visit our webpage at www.cpii.com, or contact CPI Beverly Microwave Division, 150 Sohler Road, Beverly, MA 01915 Telephone: 1 (978) 922-6000 FAX: 1 (978) 922-2736 email: bmdmarketing@cpii.com