



Ku-Band 40 Watt Transmitter

Model: TR-1414A5-4665



IF Input	
Frequency range	950-1450 MHz
Connector	N-type female
Return loss	-16 dB min. at 50Ω
Gain	60 dB min.
Gain adjustment range	25 dB
Gain flatness	
Single transponder channel	±0.5 dB max., 40 MHz
Over 500 MHz frequency range	±2.0dB max.
Gain stability	±1.0dB max. , -40°C to +65°C
RF Output	
Frequency range	14.0 to 14.5 GHz
Connector	WR 75
VSWR	1.3:1 max.
Max. Output power (nominal)	+46 dBm (40W)
IMD3 @ Pout = 40dBm	< -25 dBc
Spurious output IN band	-60 dBc max.
Spurious output OUT-of-band	-30 dBm max.
Harmonics	-50 dBc max. at 1dB GCP
Phase Noise (SSB)	
100 Hz	-63 dBc/Hz max.
1 kHz	-73 dBc/Hz max.
10 kHz	-83 dBc/Hz max.
100 kHz	-93 dBc/Hz max.
External Reference (10 MHz)	
Phase Noise	
100 Hz	-135 dBc/Hz
1 kHz	-145 dBc/Hz
10 kHz	-150 dBc/Hz
Level	+3dBm ±6dB
DC Power	10 V @ 30.0A
	12 V @ 0.5A
	5 V @ 0.5A
DC Power	48 V @ 0.3A
Ambient Operational Temp.	-40°C to +65°C.
Humidity	100% condensing
Size with fan tray	12.5" x 5.6" x 9.5"
Weight	<16 lbs.

Specifications are subject to change without notice
E & O E

Response, Innovation, Craftsmanship

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To Order or for Technical Information

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