

	Range	Units	Notes
Electrical Specifications			
Frequency ¹	14.00-14.50 or 13.75-14.50	GHz	
Gain	57 min.	dB	
Gain Flatness			
Full Band	+/-1.5 max.	dB	
Per 40 MHz Segment	+/-0.2	dB	
Gain Stability vs. Temperature	+/- 2.0 typ.	dB	
$P_{1dB}^{1,2}$	+49 min., 49.4 typ.	dBm	
$P_{sat}^{1,2}$	+50 typ	dBm	
Third Order Intermodulation Distortion	-25 max	dBc	@ 3 dB backoff relative to rated P_{1dB}
Input VSWR	1.30 max.	:1	
Output VSWR	1.25 max.	:1	
Power Requirement			
Input Voltage	+11 to +13	vdc	
Current	77 nom.	A	
Mechanical Specifications			
Outline	5 x 13.75 x 1.5 (127 x 349.3 x 38.1)	inches (mm)	L X W X H
Weight	7.0 (3.2) nom.	lbs. (kg)	
Connectors			
RF Input	SMA	Female	N option
RF Output	WR75 Cover Flange		
Power	Threaded RFI Filter		
Fault/Control	MS3112E12-8P or 15 Pin D		option
Environmental			
Operating Baseplate Temperature	-40 to +60	°C	
Humidity	100	%	without condensation

Notes:

- Specify at time of order.
- Derate by 0.5 dB with the 13.75-14.50 GHz Band Option.

- Option 1: Type N Female Input connector
- Option 3: Control I/O (mute, fault alarm, temperature indication)
- Option 4: Detected RF Output (+4 V nom. @ P1dB)
- Option 5: RF Sample Port (-40 dBc nom.)
- Option 6: Gain Adjust (20 dB range, continuous)