



# S61002B-045 30 w X Band SSPA

	Range	Units	Notes
<b>Electrical Specifications</b>			
Frequency	7.900-8.400	GHz	
Gain <sup>1</sup>	48 min., 50 typ.	dB	
Gain Flatness			
Full Band	+/-1.0 max.	dB	
Per 40 MHz Segment	+/-0.20	dB	
Gain Stability vs. temperature	+/-2.0 typ.	dB	
P <sub>1dB</sub> <sup>1</sup>			
-045	+44 min., 44.5 typ.	dBm	
P <sub>sat</sub> <sup>1</sup>			
-045	+45 typ.	dBm	
Third Order Intermodulation Distortion	-25 max.	dBc	@3 dB backoff relative to rated P <sub>1dB</sub>
VSWR			
Input/Output (isolators included)	1.30/1.25 max.	:1	
Power Requirement			
Input Voltage (includes sequencing)	+11 to +13	vdc	
Current			
-045	16.5 nom.	A	
M&C Function	Mute, Temp. Monitor, Fault		see outline for detail
<b>Mechanical Specifications</b>			
Outline	per outline 10375		
Weight (approximate)	2.4 (1.08) nom.	lbs. (kg)	
Connectors			
RF Input	SMA	Female	
RF Output	SMA	Female	
Power	Solder Lug RFI Filter		
Monitor & Control	D-Subminiature	Socket	
<b>Environmental</b>			
Operating Baseplate Temperature	-40 to +60	°C	
Humidity	100	%	without condensation

Specifications are subject to change at the discretion of Locus Microwave, Inc.

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