



AMP7001 CELL BAND SUITE SOLID STATE HIGH POWER LINEAR AMPLIFIERS

FEATURES

- Class AB linear LDMOS design
- Small form factor, light weight
- Suitable for all single channel modulation standards
- Built-in monitoring and protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS @ 25°C

MODEL		AMP7001-12	AMP7001-5	AMP7001-8
PARAMETERS	LIMIT	SPECIFICATIONS		
Frequency Range	Min	729 - 746 MHz	869 - 894 MHz	925 - 960 MHz
Output Power @ Psat	Min	200 Watt into VSWR 3.5:1 Max		
Small Signal Gain	Min	53 dB		
Input Signal for Nominal Pout	Nom	-3 dBm		
Inter Modulation Distortions	Max	-30 dBc @ 43 dBm per tone, =1 MHz		
Harmonics	Max	-40 dBc with output Isolator		
Spurious (non-harmonics)	Max	-70 dBc		
Quieting Noise Floor	Max	-85 dBm/MHz		
Operating Voltage	Nom	32 VDC		
Current Consumption	Max	20 Amp @ Rated Pout		
Input Power Protection	Max	+5 dBm		
Load VSWR Protection	Max	5 : 1		

ENVIRONMENTAL CHARACTERISTICS

PARAMETERS	SPECIFICATIONS
Operating Case Temperature	-20 to +75 °C
Storage Temperature	-20 to +85 °C
Relative Humidity	5 to 95 % Non-Condensing

MECHANICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS
Dimensions W x H x D	200 x 140 x 27 mm
Weight	
RF Connectors In/Out	SMA-F / Type N-F
Interface Connector	D-Sub
Cooling	External heatsink and forced-air cooling

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OUTLINE DRAWING

