



### FEATURES

- Class AB linear LDMOS design
- Instantaneous wide bandwidth
- Suitable for all modulations standards
- Built-in protection circuits
- High reliability and ruggedness

### ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	922 MHz	
Power Output Psat	100 Watt Min	CW
Power Gain	20 dB Min	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	40dBm/Tone, Δ = 1MHz
Harmonics	>20 dBc Typ	At rated Pout
Non Harmonics Spurious	>60 dBc	
Operating Voltage	27 - 29 VDC	
Current Consumption	8 Amp Max	At rated Pout
Max Input Power	1.5 Watt	Without damage
Load VSWR Protection	∞ : 1	
Turn On / Off Speed	5 μSec Max	

### ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-20 to +75 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensation

### MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	147 X 69 X 27 mm	Excluding Connectors
Weight	400 g.	Typical Weight
RF Connectors In/Out	SMA female	
DC Power / Interface Connector	9-Pin D-Sub	
Cooling	External Heatsink	Forced air required

### D-SUB CONNECTOR PIN ASSIGNMENT

Pin	Function	Description
1	FWD	N/C
2	REV	N/C
3	CURRENT NONITOR	I <sub>D</sub> @20mV/100mA Typ
4	TEMP SENSOR	V <sub>T</sub> @10mV/°C + 500mV Typ
5	SHUTDOWN	TTL
6, 7	VDD	28VDC
8, 9	GND	Ground

### OUTLINE DRAWING

