

Solid State Personal Communication Power Amplifier

HD29347

1 - 1025MHz / 10Watts

- RF Amplifier
- Small and lightweight
- 50 ohm input/output impedance
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS @ +28DC, 25°C, 50 Ω System

Parameter	Min	Typ	Max	Unit
Operating Frequency	1		1025	MHz
Pout P1dB	9	11		W
Power Input		-2.5		dBm
Gain	40	42.5		dB
Gain Flatness		±1.5		dB
Supply Current		2.9	3.5	Amps
Input Return Loss			-14	dB
DC Power Supply	24	28	30	Volt
2nd Harmonic		-20	-10	dB
3rd Harmonic		-27	-18	dB
Operating Case Temperature	0		+65	°C
Storage Temperature	-40		+85	°C
In/Out Connector	SMA Female			
Size (W x D x H)	60.5 x 105.5 x 31			mm

INTERFACE CONNECTORS

D-Sub, 9-Pin Female

Pin #	Description	Specifications
1	+VDD	+28V
2	+VDD	+28V
3	+VDD	+28V
4	+VDD	+28V
5	+VDD	+28V
6	Enable/Disable	Amplifier Enable: TTL "Low" or Open Amplifier Disable: TTL "High"
7	Temp Monitor	T/100 + 500mV
8	Current Monitor	180mV/A + 2.5V
9	GND	Ground

Solid State Personal Communication Power Amplifier

HD29347

1 - 1025MHz / 10Watts

OUTLINE DRAWING

