



MICROWAVE POWER AMPLIFIER AHP0900-22-1722

Features:

- Operate from 8.0 GHz to 10.0 GHz
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O.
- Single DC power supply, internal voltage regulator, operating voltage from +15V
- Operating temperature -40~+85°C, storage temperature -55~+125°C

Electrical Specifications

Parameters	Units	Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	8.0		10.0
Small Signal Gain @25°C	dB	15.0	17.0	19.0
P-1dB Compression Point	dBm	+20.0	+22.0	
Output IP3	dBm	+28.0	+30.0	
Gain flatness	dB		+/-0.75	+/-1.25
Gain Variation	dB		+/-0.75	
Input VSWR			1.7:1	2.0:1
Output VSWR			1.7:1	2.0:1
Reverse Isolation	dB	23.0	30.0	
Non-Harmonic Spurious	dBc			-60.0
Operating Temperature	°C	-40		+85
Survival Temperature	°C	-55		+125
DC Voltage	V		+15.0	
DC Supply Current	mA	210 mA	240 mA	280 mA
In/Out connectors		SMA Female		
Size	inches	1.5"x1.0"x0.4"		

