

MODEL HIPAT5042533

0.5-4.2GHz Power Amplifier



Note: The photo is for illustration purposes only. Please refer to outline drawing

■ Features

- Ultra Wide Band: 0.5-4.2GHz
- Gain: 25dB
- Output Power Psat: 36dBm
- Bias: Vd=28V;Id=1.5A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	0.5-4.2			GHz
Small Signal Gain	20	25		dB
Power Gain Flatness		±1	±1.5	dB
Input VSWR		1.5	2.0	-
Input VSWR		2.5	3.3	
Output Power for 1 dB Compression (P1dB)	31	34		dBm
Saturated Output Power (Psat)	33	36		dBm
Input Max Power(no damage)			20	dBm
Noise Figure		10	15	dB
Non-Harmonic Spurious at Pout=4W	-60			dBc
Second and Third Harmonics at Pout=2W		15		dBc
OIP3	40	44		dBc
DC Supply Voltage		28	30	V
DC Current (Vcc=+28V) (@Pout=5W)		1.5	2.5	A
Impedance	50			Ω
Control Connector DB9	Pin: 1,2,3 4,5 NC; 6,7 Vd, 8,9 GND			
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	1000g			
Dimension	165X132X66mm With Heatsink and Fan			

