

RADITEK

SATCOM Ka Band SSPA

Ka-Band Solid State Amplifier, 28.5-30 GHz, WR28, 58dB Gain 10 Watts RSSPA-28.5-30-WR28-58d-10W-w6



Features

- Operating Frequency: 28.5 – 30 GHz
- Output Power: 10 Watt
- High Gain
- Low Spurious
- Excellent Return Losses
- Hermetically sealed
- WR28
- Finish: Nickel Plating
- Satcom Applications



PARAMETER	UNITS	CONDITIONS	MIN,	MAX.	TYPICAL
Frequency Range	GHz		28.5	30	
Input Power	dBm			15	
Output Power P@1dB	dBm		39.5	40.6	40.2
Gain	dB		55	58.7	58
Gain Flatness	dB	Over any 40 MHz frequency range:			
		-30°C		±0.5	±0.15
		+25°C		±0.5	±0.1
		+60°C		±0.5	±0.1
Worst Case Gain Variation	dB, pp	Range: -30 - +60°C		±1.5	±1.0 at 28.5 GHz
				±1.5	±1.2 at 29.5 GHz
				±1.5	±1.5 at 30.0 GHz
Input Return Loss S ₁₁	dB	+25°C		-8	-8.5
Output Return Loss S ₂₂	dB	+ 25°C		-8	-8
Spurious	dBc			-50	Less than -50
Supply Voltage	V				7 V regulated
Supply Current	A	-30°C		25	22.6
		+25°C		25	171
		+ 60°C		25	14.0
Operating Case Temperature	°C		-35	+70	

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