

Ka Band 500W Continuous Wave Solid-state Power Amplifier For Satellite Communication



Operating Frequency	Ka-band (3.5GHz bandwidth)
Saturation output power	$\geq 500\text{W}$ (57dBm)
Saturation Gain	$\geq 50\text{dB}$
Gain Flatness	$\leq \pm 2\text{dB}$
Input / Output VSWR	$\leq 1.5: 1$
Harmonic Suppression	$\leq -15\text{dBc}$
Spurious Suppression	$\leq -60\text{dBc}$
IMD-3	$\leq -27\text{dBc}$ @ 7dB total back-off from rated Psat
AM to PM Conversion	$\leq 4^\circ / \text{dB}$ @ P-1dB
Power Supply Voltage	380VAC or 28VDC
Power Consumption	$\leq 5\text{KW}$
Cooling Method	Forced Liquid Cooling
RF Input Interface	2.92mm-K
RF Output Interface	BJ320
Operating Temperature	$-40^\circ\text{C} \sim +70^\circ\text{C}$
Storage Temperature	$-55^\circ\text{C} \sim +85^\circ\text{C}$
Vibration and Shock	Ground, Vehicle, Ship

Shaanxi Probecom Microwave Technology Co.,Ltd

Address: Floor 12, Inland Port Mansion, Xi'an International Trade and Logistic Park, Xi'an, Shaanxi, China 710026
Tel: +86-29-88451625 88451755 Fax: +86-29-88860260 E-mail: sales@probecom.com; sales@probecom.cn