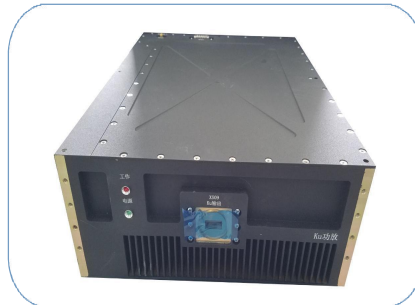


**KU-Band 400W Continuous Wave Solid-state Power Amplifier
For Satellite Communication**



Working Frequency	Ku-band (500MHz bandwidth)
1dB compression point output power	$\geq 400\text{W}$ (56dBm)
Linear Gain	$\geq 50\text{dB}$
Gain Flatness	$\leq \pm 1\text{dB}$
Input / Output VSWR	$\leq 1.5:1$
Harmonic Suppression	$\leq -40\text{dBc}$
Spurious Suppression	$\leq -60\text{dBc}$
IMD-3	$\leq -25\text{dBc}$ @ 3dB total back-off from rated P1dB
AM to PM Conversion	$\leq 4^\circ/\text{dB}$ @P-1dB
Power Supply Voltage	220VAC or 28VDC
Power Consumption	$\leq 2.5\text{KW}$
Cooling Method	Air Cooling
RF Input Interface	SMA-K
RF Output Interface	BJ140
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

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