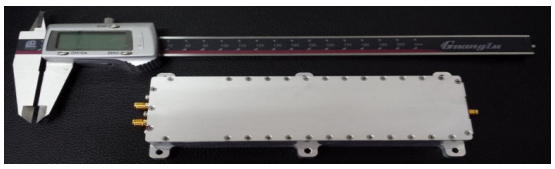
X-band 50W pulse Continuous Wave

Solid-state Power Amplifier For Satellite Communication



Operating Frequency	X-band（4GHz bandwidth）
Output power	≥50W（47dBm）
Gain	≥50dB
Gain Flatness	≤±2dB
Input / Output VSWR	≤1.5：1
Spurious Suppression	≤-60dBc
Pulse Width	1us--1ms
Duty Cycle	≤50%
Rising Edge / Falling Edge	≤30ns
Pulse Top Drop	≤10%
Power Supply Voltage	28VDC
Power Consumption	≤120W
Cooling Method	Conduction Cooling
RF Input Interface	SMA-K
RF Output Interface	SMA-K
Operating Temperature	-40℃～+70℃
Storage Temperature	-55℃～+85℃
Vibration and Shock	Missile

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