AS9100D certified company

S BAND SOLID STATE POWER AMPLIFIER

Model No: US/SSPA/2072.5

Specifications

Electrical Characteristics	
Frequency Range	2025 - 2120 MHz
Output Power	100W (+50dBm) @P3 dB
Gain	>60dB
Gain Adjustment	20dB in 0.5/10dB steps
Gain Flatness	+/- 1.0dB max @ Operating Band +/- 0.3dB max @ 10MHz
Gain Stability	+/- 1.0dB max over Operating Temp.
Input/Output VSWR	1.4:1 max
Load VSWR	2.0:1 max for full load
Stop Band Gain reduction	>30 @ Freq <1925MHz & >2200MHz
AM/PM Conversion	≤ 3.0°/dB at 4dB O/p back off of total rated power
Noise @Output	<-110dBm/Hz in 2.2-2.3GHz
Spurious	>-50dBc (In-Band)
Harmonics (2nd)	>-55dBc
Intermodulation Distortion	> -25dBc @4dB O/p back off (for 2 RF Carriers 10MHz apart)
Input / Output Connector	N-Type Female
Input/ Output Impedance	50 Ohms
RF Output Power Sample	50dBc typ (N-Type/SMA Female, 50 Ohms)
Construction	GaN / LDMOS based
Operating Temperature	0° to 50° C
Cooling	Forced Air Cooling
MTBF	> 50,000 Hours
Configuration	1:1
Enclosure	Weather Sealed (IP65)

Applications


Aerospace


Defence


Satcom


Broad Casting

MAKE IN INDIA

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