

FPAS-13750-14500-70-59S

13.75~14.5GHz, 70dB, 59dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	13.75~14.5GHz
Power Gain:	70dB min.
Gain Adjustment Range:	30dB min. (0.5dB step)
Gain Stability:	±0.35dB/24h max.
Gain Flatness:	±0.5dB/40MHz max. ±2dB/Full band max.
Output Power (Psat):	59dBm min.
IMD3:	-25dBc @Psat -3dB max. (Dual-tone carriers spaced 5MHz apart)
Spurious:	-60dBc max.
Noise Power Spectral Density:	-70dBm/Hz (Tx band) max. -135dBm/Hz (10.95~12.75GHz) max.
AM/PM:	2.5°/dB @Psat -3dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Input Voltage:	220 (±10%) VAC, 47~53Hz
Power Consumption:	4500W max.
Control Function:	RF switching, Output power setting, Gain attenuation setting, ALC
Monitoring & Reporting Function:	Output power reporting, Reflected power reporting, Gain attenuation value reporting, Module temperature reporting, Voltage and current reporting
Protection Function:	Over-voltage protection, Over-current protection, Over-temperature protection, Reflected power overload protection, Input power overload protection

Mechanical

RF Input Connectors:	N female
RF Output Connectors:	WR75 (Grooved Flange)
Power Supply Interface:	Aviation Connector
Control Interface:	Aviation Connector, RS232/RS485, RJ45, Ethernet, Supporting SNMP & HTTP
Other Interface:	Aviation Connector
Cooling:	Forced Air

Environmental

Operating Temperature:	-40~+55°C
Non-operating Temperature:	-55~+70°C

Outline Drawings

To be done

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

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Customization is available upon request.