

70W 50Ω 50 to 250 MHz


Description

The KSA70W50250 High Power Class A amplifier providing 70W saturated power over the 50 to 250 MHz band, ideal for a variety of high-power test setups as well as applications including communications, HAM bands and more.

Applications

VHF transmitters, Amateur radio, TV, FM, laboratory use

Electrical Specifications (at 25°C):

Parameters	Min	Typical	Max	Units
Frequency Range	50		250	MHz
Gain	42	46	51	dB
Gain Flatness			-/+1.5	dB
Max Output Power		48	-	dBm
Noise Figure	-	4.5		dB
Input VSWR	-	1.4		:1
Output VSWR	-	2.5	-	:1
AC Supply Voltage @ 60Hz	-	120		V
Supply Current @ 60Hz	-	1.5		A

Environmental Parameters:

Operating Temperature -20°C to 65°C
 Storage Temperature -55°C to 100°C
 Input RF Power (no damage) 9.5 dBm
 Thermal Shock -55° to 100°C, 5 cycles

Mechanical:

Overall Length
(not including
RF connectors): 300mm
Overall Width: 200mm
Overall Height: 96mm
Weight: 2.8kg

Enclosure body: Aluminum (Gray)
Input Connector: N-type
Output Connector: N-type
LED Power Indicator (Red)

Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

All components in this product are fully compliant with:

