

YSPA35-40R75-43R25-K-B

40.75-43.25 GHz Benchtop PA, 35 dB Psat, 2.92 mm

Key Features

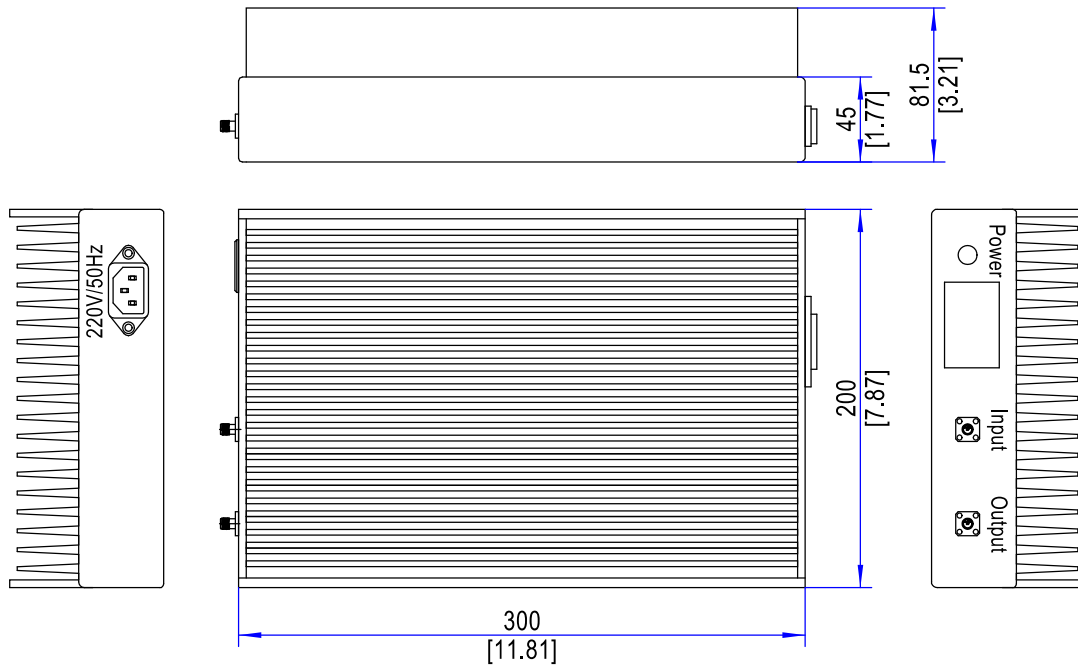
- Broadband 40.75-43.25 GHz coverage
- 34 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

Applications

- Broadband communication systems
- Radar transmitter subsystems
- RF test and measurement
- Electronic warfare (EW)
- Microwave research laboratories

Electrical Specifications				
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	40.75	-	43.25	GHz
Gain	36	-	-	dB
Gain Flatness	-	±2.0	-	dB
Input VSWR	-	1.8	-	-
Output P1dB	-	34	-	dBm
Output Psat	35	-	-	dBm
Harmonic Rejection	-	-15		dBc
Spurious	-	-60	-	dBc
Input Max Power(no damage)	-	-	5	dBm
Supply Voltage	110~220 / 50~60Hz			VAC
	9	-	15	VDC
Supply Current @ Pout=2 W	-	-	0.9	A
Impedance	50			Ω
Functional	VSWR Protection			
Environmental Specifications				
Operating Temperature	-25°C to +85°C			
Storage Temperature	-55°C to +125°C			
* Heat Sink required during operation				
Mechanical Specifications				
Connectors	2.92 mm Female			
Material	Aluminium			
Weight	5000 g			
Dimensions ¹	300×200×81.5 mm [11.81×7.87×3.21 in]			

Outline Drawing (Units: mm/[inch], Tolerance: ±0.2 mm)



Note 1: Excluding Connectors