

YSPA34-R4-R6-S

0.4-0.6 GHz Power Amplifier, 34 dB Psat, SMA

Key Features

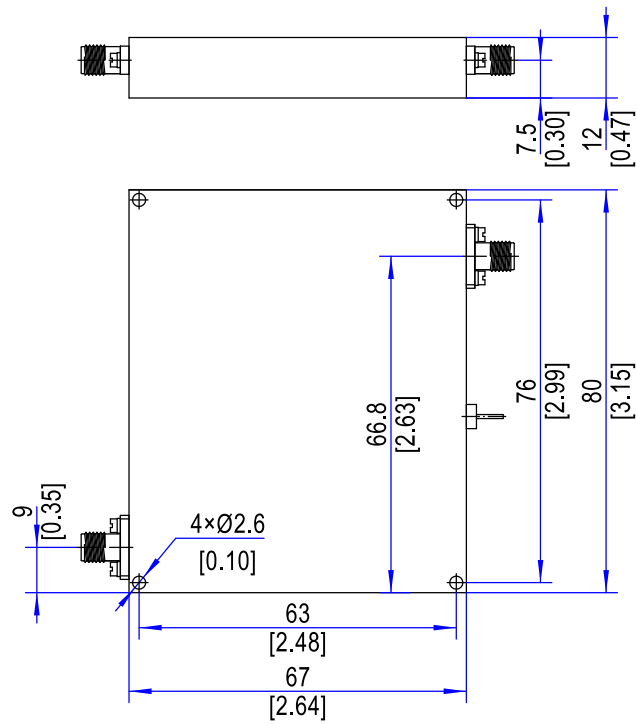
- Broadband 0.4-0.6 GHz coverage
- 34 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +28 V supply

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	0.4	-	0.6	GHz
Gain	30	33	-	dB
Gain Flatness	-	±1.0	±1.5	dB
Input VSWR	-	1.6	2.0	-
Output VSWR	-	1.6	2.0	-
Output P1dB	32	33	-	dBm
Output Psat	33	34	-	dBm
Spurious	-	-60	-	dBc
OIP3	-	42	-	dBm
Input Max Power(no damage)	-	-	6	dBm
Supply Voltage	-	+28	-	V
Supply Current @ Pout=2 W	-	0.6	1	A
Impedance	50			Ω
Environmental Specifications				
Operating Temperature	-25°C to +85°C			
Storage Temperature	-55°C to +125°C			
* Heat Sink required during operation				
Mechanical Specifications				
Connectors	SMA Female			
Material	Aluminium			
Weight	50 g			
Dimensions ¹	67×80×12 mm [2.64×3.15×0.47 in]			

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



Note 1: Excluding Connectors