

YSPA40-30M-R5-S-HS

0.03-0.5 GHz Power Amplifier, 40 dB Psat, SMA

Key Features

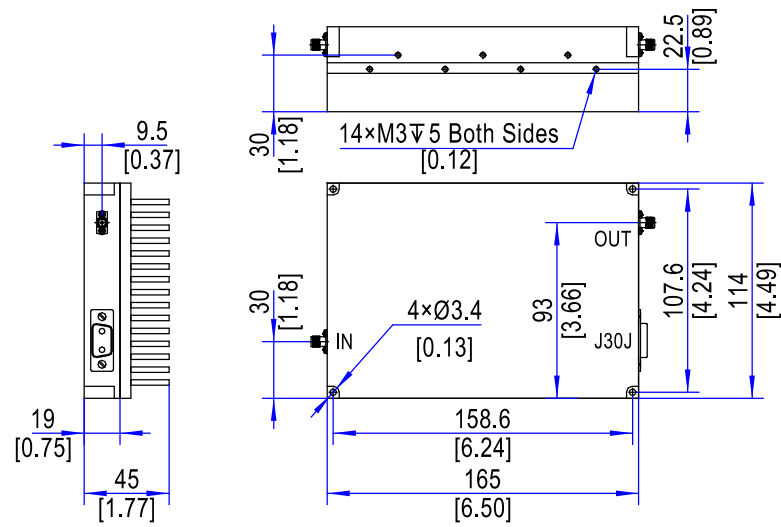
- Broadband 0.03-0.5 GHz coverage
- 40 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +30 V supply

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	0.03	-	0.5	GHz
Gain	40	-	-	dB
Gain Flatness	-	-	±3.0	dB
Input VSWR	-	1.8	2.0	-
Output VSWR	-	1.8	2.0	-
Output P1dB	-	38	-	dBm
Output Psat	40	-	-	dBm
Spurious	-	-60	-	dBc
Harmonics	-	-20	-	dBc
Input Max Power(no damage)	-	-	10	dBm
Supply Voltage	28	-	30	V
Supply Current @ Pout=10 W	-	2	-	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	100 g			
Dimensions ¹	165×114×45 mm [6.50×4.49×1.77 in]			

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



Note 1: Excluding Connectors