

YSPA32-26R5-40-K

26.5-40 GHz Power Amplifier, 32 dB Psat, 2.92 mm

Key Features

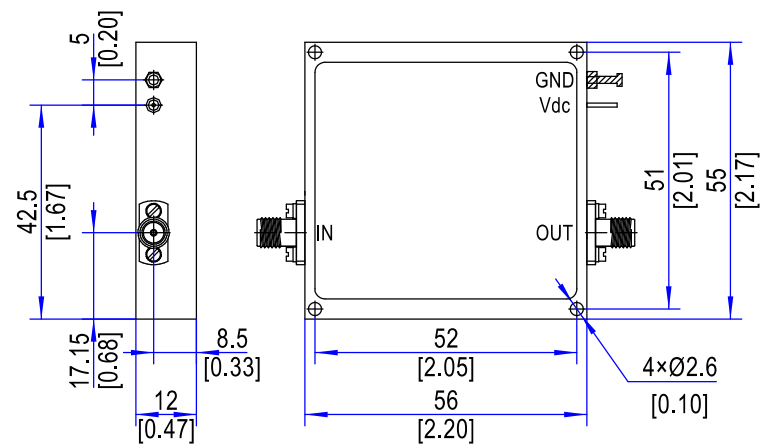
- Broadband 26.5-40 GHz coverage
- 32 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

Applications

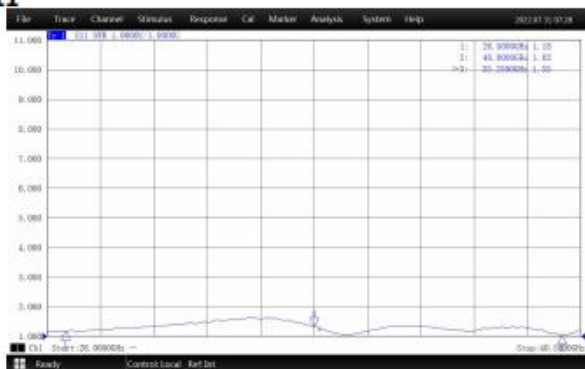
- Broadband communication systems
- Radar transmitter subsystems
- RF test and measurement
- Electronic warfare (EW)
- Microwave research laboratories

Electrical Specifications				
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	26.5	-	40	GHz
Gain	30	32	-	dB
Gain Flatness	-	±2.5	±3.0	dB
Input VSWR	-	2.0	-	-
Output VSWR	-	2.0	-	-
Output P1dB	-	33	-	dBm
Output Psat	33	34	-	dBm
Spurious	-	-62	-	dBc
Input Max Power(no damage)	-	-	10	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	3.0	4.0	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	S.92 mm Female			
Material	Aluminium			
Weight	88 g			
Dimensions ¹	56×55×12 mm [2.20×2.17×0.47 in]			

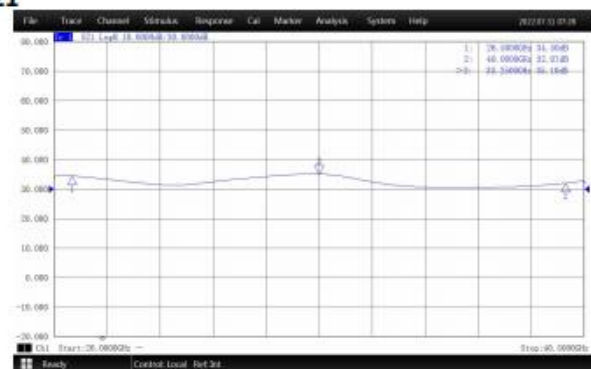
Outline Drawing (Units: mm/[inch], Tolerance: ±0.2 mm)



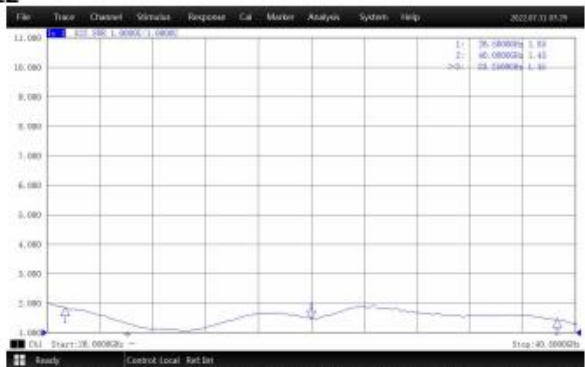
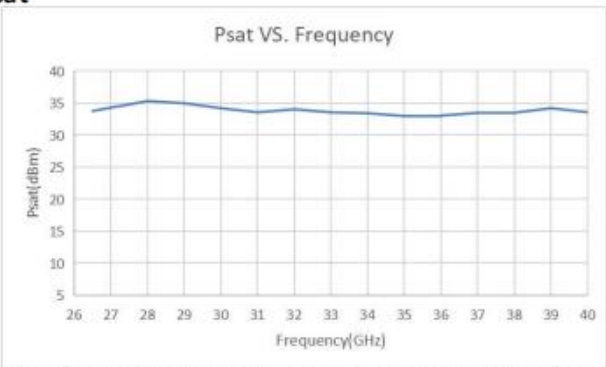
S11



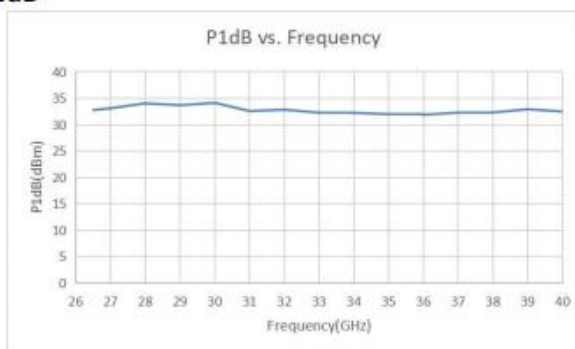
S21



S22


P_{sat}


P1dB



Note 1: Excluding Connectors