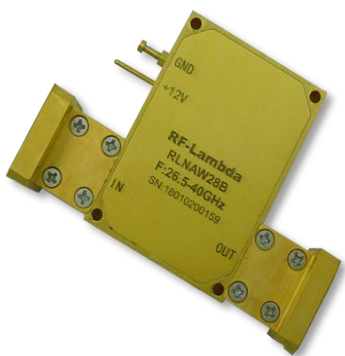


WR28 Low Noise Amplifier 26.5GHz ~ 40GHz



Features

- Gain: 48dB Typical
- Noise Figure: 3.0dB Typical
- P1dB Output Power: +21dB m Typical
- Supply Voltage: +12V

Typical Applications

- Wireless Infrastructure
- RF Microwave & VSAT
- Military & Aerospace
- Test Instrument
- Fiber Optics

Electrical Specifications, $T_A = +25\text{ }^\circ\text{C}$, $V_{CC} = +12\text{V}$

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	26.5		32	32		40	GHz
Gain	45	48		40	45		dB
Gain Flatness		± 2.0			± 3.0		dB
Gain Variation Over Temperature(-45 ~ +85)		± 2.0			± 3.0		dB
Noise Figure		3.0	4.0		3.5	4.5	dB
Input VSWR		2.0			2.2		:1
Output VSWR		2.0			2.2		:1
Output Power for 1 dB Compression (P1dB)	18	21		16	19		dBm
Saturated Output Power (Psat)		23			20		dBm
Output Third Order Intercept (IP3)		26			23.5		dBm
Isolation S12		-60			-60		dB
Supply Current (Vcc=+12V)		420	500		420	500	mA
Weight	2.12						ounces
Impedance	50						Ohms
Input / Output Connectors	WR28						
Finish	Standard: Gold 40 micron; Nickel 220 micron thickness						
	Option: Gold 80 micron; Nickel 180 micron thickness						
Material	Copper						
Package Sealing	Epoxy Sealed						