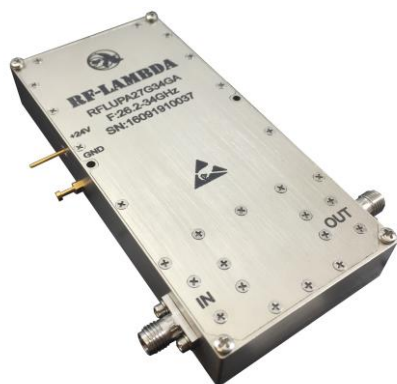


30W Solid State High Power Amplifier 2-6 GHz



Features

- Wideband Solid State Power Amplifier
- Psat: +45dBm •
Gain: 50dB
- Supply Voltage: +36V

Typical Applications

- Wireless Infrastructure •
Short Haul / High Capacity Links •
RF Microwave and Vsat •
Military & Aerospace Applications
- Test Instrumentation

Electrical Specifications, $T_A = +25^\circ\text{C}$, $V_{CC} = +36\text{V}$

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	2 – 4		4 – 6				GHz
Gain		52			48		dB
Gain Flatness		±10			±10		dB
Gain Variation Over Temperature (-45°C ~ +85°C)		±3			±3		dB
Input Return Loss		15			15		dB
Output Return Loss		5			5		dB
Saturated Output Power (Psat)		45			45		dBm
Supply Current (+36 VDC)		600	3500		600	3500	mA
Isolation S12		70			70		dB
Input Max Power (No Damage)	Psat – Gain		Psat – Gain				dBm
Weight NP Model / WP Model	375/1300						g
Impedance	50						Ohms
Input / Output Connectors	SMA - Female						
Finish NP Model/WP Model	Gold Plated / Nickel Plated						
Material	Aluminum / Copper						
Package Sealing	Epoxy Sealed (Standard)						
	Hermetically Sealed (Optional)						