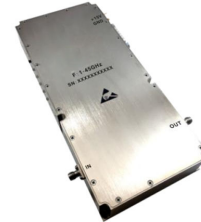




1.6W Ultra Wide Band Power Amplifier 1GHz~45GHz



Features

- Wideband Solid State Power Amplifier
- Gain: 33dB Typical
- Psat: +32dBm Typical
- Supply Voltage: +15V

Typical Applications

- Wireless Infrastructure
- RF Microwave and Vsat
- Test Instrumentation

Short Haul / High Capacity Links
Military & Aerospace Applications

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	1-30			30-45			GHz
Gain		35			30		dB
Gain Flatness		± 4			± 7		dB
Gain Variation Over Temperature (-45 ~ +85)		± 3			± 3		dB
Input Return Loss		10			8		dB
Output Return Loss		12			8		dB
Output 1dB Compression Point (P1dB)		31			28		dBm
Saturated Output Power (Psat)		32			29		dBm
Isolation S12		-65			-65		dB
Supply Current (Vcc=+15V)		1000	1200		1000	1200	mA
Input Max Power (No damage)	Psat – Gain						dBm

Weight	41 ounces	Impedance	50ohms
Input / Output Connectors	2.92mm-Female	Material	Aluminum / Copper
Finishing	Standard: Gold 40 micron; Nickel 220 micron thickness	Package Sealing	Epoxy Sealing (Standard)
	Option: Gold 80 micron; Nickel 180 micron thickness		Hermetically Sealed (Option with extra charge)



Outline Drawing:

All Dimensions in mm (inches)

Heat Sink required during operation(Sold Separately)

