



General Description:

MM-MPA-090094-30-36 is a Waveguide Power Amplifier that operates over the frequency range of 90 to 94 GHz. This model provides a typical gain of 30 dB . It provides a Psat of 36 dB typical and operates on +24 VDC with a typical current draw of 3600 mA.

Features:

- Ultra Wide Band: 90-94 GHz
- Gain: 30 dB
- Psat: 36 dB
- Internally regulated
- Unconditionally stable

Applications:

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (23° C):

Parameter	Value			Units
	Min	Typ	Max	
Frequency Range	90		94	GHz
Gain	28	30		dB
Gain Flatness		-		dB
Psat	35	36		dBm
Output Power (P1dB)		-		dBm
Input VSWR		2.0		:1
Output VSWR		-		:1
DC Voltage		+24		V
DC Current		3600		mA

Absolute Maximum Ratings:

Condition	Value
DC Voltage	+24 V
Maximum Input Power(CW)	TBD
ESD sensitivity (HBm)	Class 0, passed 150V

Mechanical Specifications:

Parameter	Value
Length	115 mm
Width	120 mm
Height	70 mm
RF Connector	WR10/UG-387

