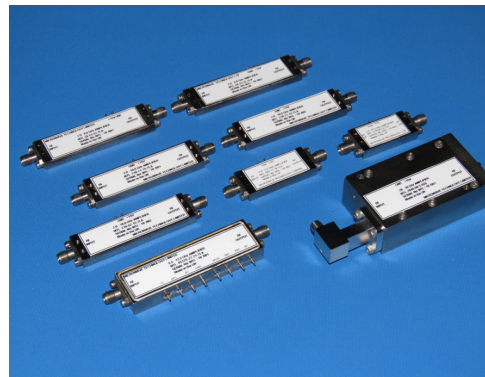


Ka-BAND POWER AMPLIFIER



The MTL-3036-23-30SS is a solid state power amplifier and operates over the frequency range of 30.0 to 36.0 GHz. The amplifier is offered in a low profile mechanical housing which incorporates integral DC regulation. The amplifier is designed and manufactured for high reliability and consistent unit to unit performance.

Electrical specification specified at 25 °C case temperature

SPECIFICATION	MIN	TYP	MAX	UNITS
Frequency Range	30.0		36.0	GHz
Small Signal Gain		23		dB
Gain Flatness		±1.0		dB
Output power @ 1 dB		30		dBm
Input VSWR		2:1		
Output VSWR		2:1		
DC voltage		12		V
DC current		2400		mA

(Specification subject to changes without notice)

Absolute Maximum Ratings

Parameter	Value/Type	Units
Drain DC voltage	20	V
CW Input power	+20	dBm
Operating temperature	-40 to +85	°C
Storage temperature	-55 to +95	°C

Mechanical Specifications

Parameter	Value/Type	Units	Limits
Dimensions	65(L) x 38(W) x 20(H)	mm	
Weight	150	Grams	Max
RF Connectors Input/Output	SMA		
Cooling	External Heat Sink Required		