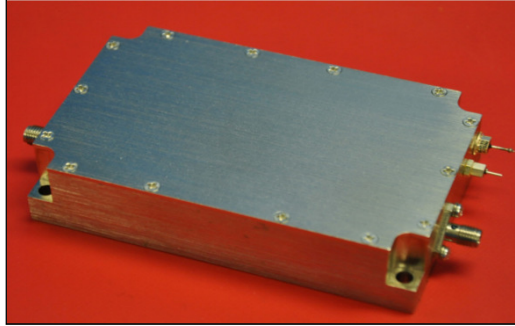


AMTPA-02300250-50W

RF Power Amplifier

- * Operating Frequency : 2300-2500MHz
- * Gain : 50 dB
- * Output Power 50W



ELECTRICAL SPECIFICATION @ VDD= +28 VDC; Temp. = 25 °C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	2300		2500	MHz
Gain	G	48	50		dB
Gain Flatness	ΔG		± 1.0		dB
Harmonics @ 40W	H			-20	dbc
Output Power	Psat		50		W
Output Power	P1dB	40	44		W
Input VSWR			1.8	2.0:1	Ratio
Operating Voltage	Vdc		28		Volt
Operating Current Idq	Idq		2000	2500	mA

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
RF connector	SMA-F		
DC Pins	Feedthru		
Cooling	None		
TTL ON/OFF	Yes		

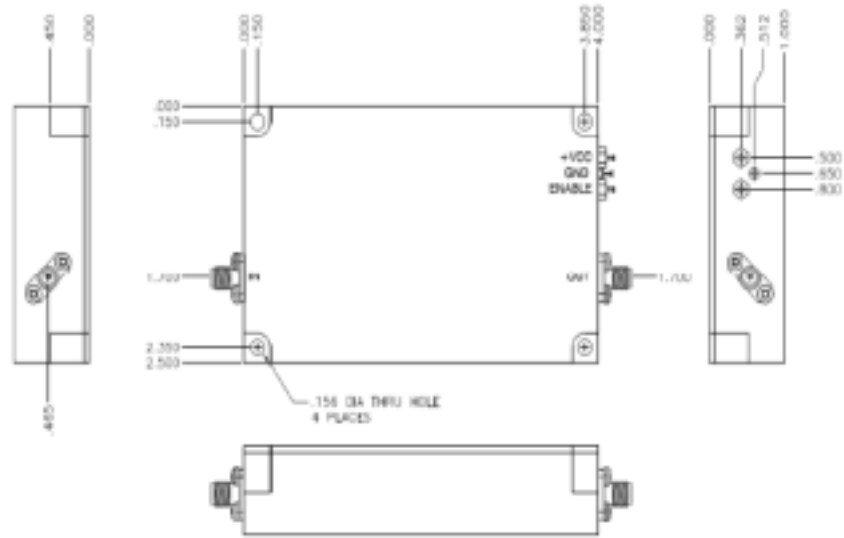
PROTECTION

		Max	Units
RF Input Power	CW/AM/FM/PM/Pulse		
Output Protection	Internal Circulator included		
Load VSWR	Infinite up to 1W		
Stability	100% Tested		

ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0 °C		50 °C	°C
Storage Temperature	Tstg	- 55 °C		70 °C	°C

AMTPA-02300250-50W



VCC	+28V	
ENABLE	+5V	OFF
	0V	ON