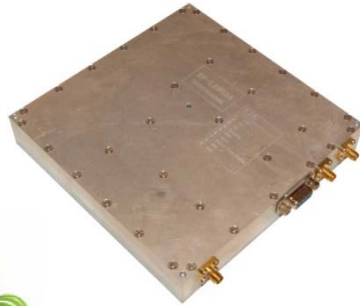




Narrow Band Power Amplifier 2.52-2.68GHz



- High output power $>+48\text{dBm}$
- Applicable for base station ,repeaters of cellular network
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handle capability
- High Linearity and low noise figure
- All specifications can be modified upon request

Narrow Band Power Amplifier 2.52-2.68GHz

Specification		Value	Memo	
PA	Frequency (MHz)	2520 – 2680		
	P3dB(dBm)	48		
	ACPR(dBc)	-45	Bandwidth 5MHz PAR=9.0dB Pout=5W	
	P1dB (dBm)	47 ± 1.0	WCDMA	
	PAE (%)	35	Pout=P3dB	
	Gain(dB)	>43		
	Gain Flatness(dB)	± 1.5		
	Gain Variation (dB)	± 1.5	$-20 \sim +75^\circ\text{C}$	
	IMD(dBc)	Non-Harmonic	<-65	
		Harmonic	<-30	
	NF(dB)	<10.0		
	Power ON time (mS)	< 500		
	RF ON (uS)	<2		
	RF OFF (uS)	<5		
	VSWR (In/Out)	<1.5		
	Power Detection	$>20\text{mV/dB}$		
Max. VSWR	6	VSWR >6.0 , PA will shut down		
DC Power		+ 28 Vdc	Max. + 30 Vdc	
Temperature		$-20 \sim +75^\circ\text{C}$		
Dimension		$6.69 \times 4.72 \times 1.06''$	Not include connector and heatsink	

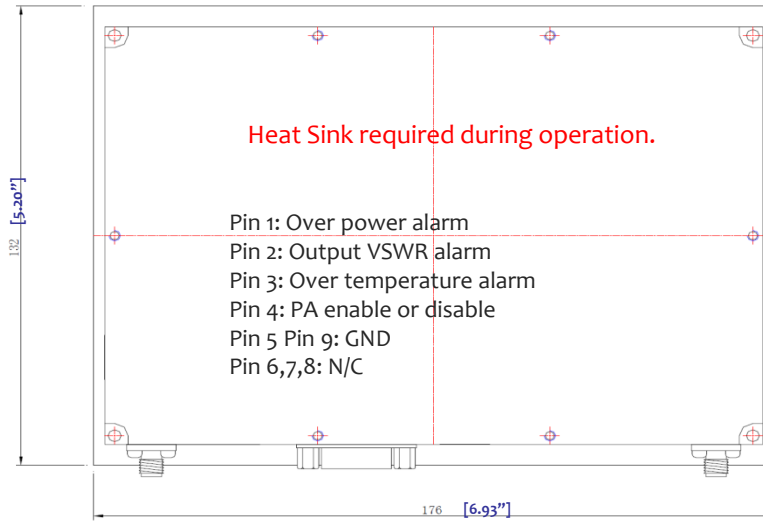
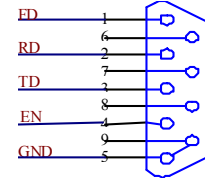
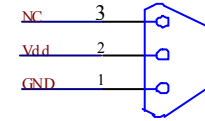
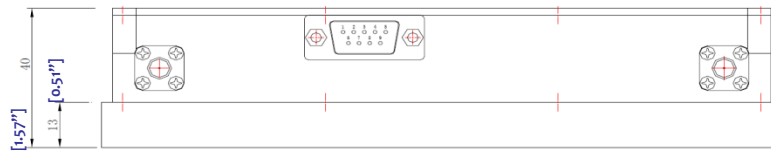
Ordering Information		
Part No	ECCN	Description
RFLNPA2527A	EAR99	2.52-2.68GHz Narrow Band Power Amplifier



RF-LAMBDA

The power beyond expectations

RFLNPA2527A



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Narrow Band Power Amplifier 2.52-2.68GHz