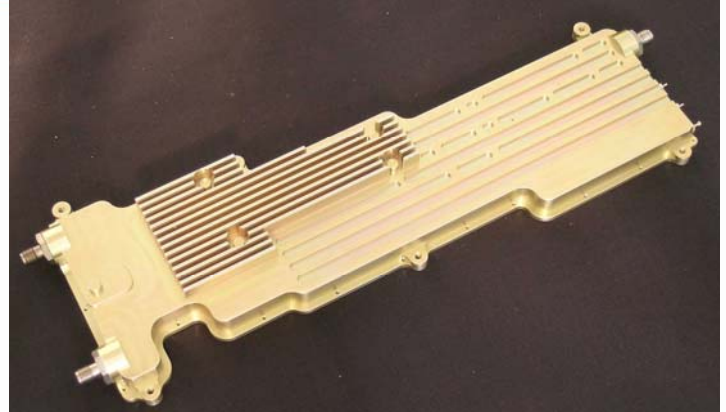


Solid State Power Amplifier

Key Features:

- **Dual 75 Watt Output**
- **Ultra Light Weight**
- **Mature LDMOS Technology**
- **High Efficiency**
- **Extremely Low Standby Power Consumption**



This power amplifier provides dual phase, gain and power matched outputs in a compact, lightweight package. Suitable for pulsed operation or CW environments (with alternate packaging), this rugged unit operates at high efficiency with solid state reliability.

Electrical Parameters	Units	Min.	Typ.	Max.
@28 V, 25°C Baseplate				
Frequency	MHz	1215		1390
Gain (nominal)	dB		47	
Input Power	dBm	-3	0	+3
Output Power / Channel	Watts	50	75	90
Duty Factor	%			10
Pulse Width	µS	2		100000
Efficiency	%	35	38	
Rise/Fall Time	nS		250	
Rise/Fall Time Delay	µS			1
Input VSWR			1.3:1	1.5:1
Standby Current Consumption	mA		1	3
Harmonics (Pout<P1dB)	dBc		-40	
Spurious	dBc		-60	
Voltage	Volts		28	36
Current (@ 10% DF)	Amps			1.5
Physical Parameters				
Size	In.	9.3x4.3x0.7		
Weight	Oz.	8		
RF Connectors		SMA (F)		
DC/Pulse Enable Connectors		Feedthru Solder Terminal		

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Environmental Parameters	Units	Min.	Typ.	Max.
Ambient Temp., Operating	°C	-32		+65
Ambient Temp., Storage	°C	-40		+71.1
Cooling		Convection		
Altitude, Operating	K Feet		15	

Typical Performance Data

