

ISO 9001 CERTIFIED

Model 3137

**200-500 MHz, 50 W pulsed,
solid-state, RF power
amplifier systems**



Electrical specifications:

Frequency range	200 - 500 MHz				
Pulse power into 50 ohms (min.)	50 W				
CW power into 50 ohms (max.)	15 W				
Linearity (± 1 dB from linear)	0 - 40 W				
Gain (typ.)	50 dB				
Gain flatness	± 3 dB				
Input/output impedance	50 ohms				
Input VSWR	Less than 2:1				
Pulse width	20 ms, 250 ms with long pulse option				
Duty cycle	Up to 10%				
Amplitude rise/fall time	175 ns typ.				
Amplitude droop	5% to 10 ms typ; 8% max.				
Phase change/output power	10° to rated power typ.				
Phase error overpulse	4° to 10 ms duration, typ.				
Noise figure	9 dB typ.				
Output noise (blanked)	< 20 dB over thermal				
Blanking delay	< 1 μ s on/off, TTL signal				
Protection	<table border="0"> <tr> <td>1. VSWR: infinite VSWR at rated power</td> <td>3. Over duty cycle/pulse width</td> </tr> <tr> <td>2. Output overdrive</td> <td>4. Over temperature</td> </tr> </table>	1. VSWR: infinite VSWR at rated power	3. Over duty cycle/pulse width	2. Output overdrive	4. Over temperature
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Supplemental characteristics:

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Cooling	Internal forced air								
Operating temperature	+10 to 40°C								
AC line voltage	120/240 VAC $\pm 10\%$, 50 - 60 Hz								
AC power requirements	400 VA								
Package	Rack mount								
Size (HWD, inches)	5.25x19x24								
Net weight	40 lbs								