

**1214 - 300** 300 Watts - 50 Volts, 100µs, 10% Radar 1200 - 1400 MHz

The 1214-3 of providim microsecor 1400 MHz for L-Band emitter bal	<b>RAL DESCRIPTION</b> 300 is an internally matched, COMM bg 300 Watts of pulsed RF output pown hds pulse width, ten percent duty fac . This hermetically solder-sealed transler and radar applications. It utilizes gold n lasting to provide high reliability and <b>UTE MAXIMUM RATIN</b>	CASE OUTLINE 55KT, STYLE 1	
Maximum Power Dissipation @ 25°C		1458 Watts	
Maximum	Voltage and Current		
BVces	Collector to Emitter Voltage	65 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	17 Amps	
Maximum	Temperatures		
Storage Temperature $-65 \text{ to} + 200^{\circ}\text{C}$		- 65 to + 200°C	
Operating.	Junction Temperature	+ 200°C	
-	-		

## ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg ηc VSWR <sup>1</sup>	Power Out (Note 2) Power Input Power Gain Collector Efficiency Load Mismatch Tolerance	F = 1200-1400  MHz Vcc = 50 Volts Pulse Width = 100 µs Duty = 10 % F = 1400MHz, Po =270W	270 8.0	45	42.7 3:1	Watts Watts dB %

BVces BVebo Hfe	Collector to Emitter Breakdown Emitter to Base Breakdown DC Current Gain	Ic = 50 mA Ie = 25 mA Vce = 5 V, Ic = 5 mA	65 3.0 10	45		Volts Volts
$\theta \mathbf{j} \mathbf{c}^1$	Thermal Resistance	Rated Pulse Condition			0.25	°C/W

Note 1: Pulse condition of 100µsec, 10%.

Note 2: Product Selected to 300 Watt minimum is available, please contact the factory for details.

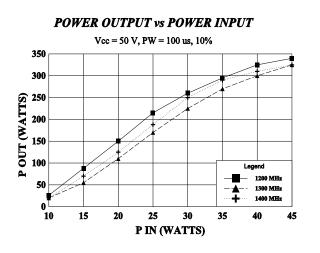
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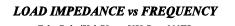
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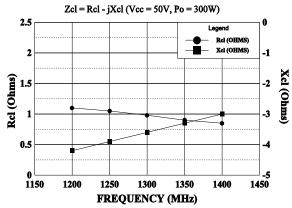
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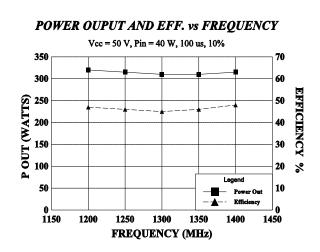
1214-300







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INPUT IMPEDANCE vs FREQUENCY

