mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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1214 - 55 55 Watts - 28 Volts, Pulsed Radar 1200 - 1400 MHz

The 1214- of providin width, twe hermetical application provide hig	RAL DESCRIPTION 55 is an internally matched, COMMC ng 55 Watts of pulsed RF output powe enty percent duty factor across the band ly solder-sealed transistor is specifical ns. It utilizes gold metalization and di gh reliability and supreme ruggedness LUTE MAXIMUM RATIN	er at two milliseconds pulse d 1200 to 1400 MHz. This lly designed for L-Band radar ffused emitter ballasting to	CASE OUTLINE 55AW, STYLE 1
	Power Dissipation @ 25°C	175 Watts	
BVces BVebo Ic Maximum Storage Te	 A Voltage and Current Collector to Emitter Voltage Emitter to Base Voltage Collector Current A Temperatures Emperature Junction Temperature 	50 Volts 3.5 Volts 8 Amps - 65 to + 200°C + 200°C	

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg ηc VSWR	Power Out Power Input Power Gain Collector Efficiency Load Mismatch Tolerance	F = 1200-1400 MHz Vcc = 28 Volts Pulse Width = 2 ms Duty = 20 % F=1300MHz, Po=55W	55 6.5	7.0 45	12.3 3:1	Watts Watts d B %

Hfe θ_{jc} DC Current Gain Thermal ResistanceVce = 5 V,Ic = 1000 mA Rated Pulse Condition20451.0	Volts °C/W		-	50 3.5 20	,		-
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1214-55

1250

1300

FREQUENCY (MHz)

1350

70

60

50

40 30 20

10

0

1450

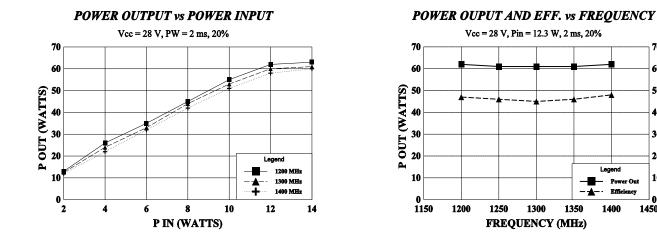
Legend

1400

Power Out

ency Effi

EFFICIENCY %



Typical Impedances

