



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!



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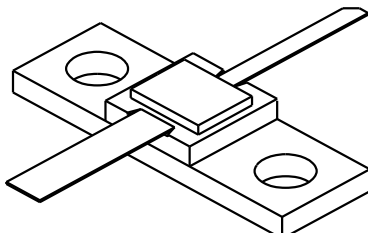
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2225-4L

3.5 Watts, 24 Volts, Class C
Microwave 2200-2500 MHz

<p>GENERAL DESCRIPTION The 2225-4L is a COMMON BASE transistor capable of providing 3.5 Watts, Class C output power over the band 2200-2500 MHz. The transistor includes input prematching for full broadband capability. Gold metalization and diffused ballasting are used to provide high reliability and supreme ruggedness. The transistor uses a fully hermetic High Temperature Solder Sealed package.</p>	<p>CASE OUTLINE 55LV, STYLE 1</p> 
<p>ABSOLUTE MAXIMUM RATINGS</p> <p>Maximum Power Dissipation @ 25°C 10 Watts</p> <p>Maximum Voltage and Current</p> <p>BVces Collector to Emitter Voltage 40 Volts BVebo Emitter to Base Voltage 3.5 Volts Ic Collector Current 0.6 Amps</p> <p>Maximum Temperatures</p> <p>Storage Temperature - 65 to + 200°C Operating Junction Temperature + 200°C</p>	

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Pout	Power Out	F = 2200-2500 MHz	3.5			Watts
Pin	Power Input	Vcc = 24 Volts			0.5	Watts
Pg	Power Gain		8.5			dB
ηc	Efficiency			40		%
VSWR	Load Mismatch Tolerance	Pout = 3.5Watts			10:1	

BVces	Collector to Emitter Breakdown	Ic = 10 mA	40			Volts
BVebo	Emitter to Base Breakdown	Ie = 5 mA	3.5			Volts
Hfe	Current Gain	Vce = 5V, Ic = 200 mA	20		120	
Cob	Output Capacitance	Vcb = 24 F = 1 MHz		7		pF
θjc	Thermal Resistance	Tc = 25°C			17.0	°C/W

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