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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





2304

4.0 Watts - 20 Volts, Class C Microwave 2300 MHz

GENE The 2304 C, RF or are used uses a fu	CRAL DESCRIPTION 4 is a COMMON BASE transistor cap utput power at 2300 MHz. Gold meta to provide high reliability and supren Ily hermetic High Temperature Solde	pable of providing 4 Watts Class lization and diffused ballasting ne ruggedness. The transistor r Sealed package.	CASE OUTLINE 55 BT- Style 1
ABSO	LUTE MAXIMUM RATI	NGS	\sim
Maximum Power Dissipation @ 25°C		10.2 Watts	
Maximu	m Voltage and Current		
BVces	Collector to Emitter Voltage	45 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	0.6 A	
Maximu	m Temperatures		
Storage Temperature		- 65 to + 200°C	
Operating Junction Temperature		+ 200°C	

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg η _c VSWR ₁	Power Out Power Input Power Gain Collector Efficiency Load Mismatch Tolerance	F = 2.3 GHz Vcb = 20 Volts Po = 4 Watts As Above F = 2.3 GHz, Po = 4 W	4.0 8.0	40	0.63 30:1	Watt Watt dB %

BVces BVebo	Collector to Emitter Breakdown Emitter to Base Breakdown	Ic = 30 mA Ie = 3.0 mA	45 3.5		1.5	Volts Volts
Icbo	Collector to Base Current	Vcb = 22 Volts	10		1.5	mA
h _{FE}	Current Gain	Vce = 5 V, Ic = 300 mA	10			
Cob	Output Capacitance	F = 1.0 MHz, Vcb = 22 V		7.0		pF
θjc	Thermal Resistance				17	°C/W

Issue August 1996

GHZ TECHNOLOGY INC. RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE. GHZ RECOMMENDS THAT BEFORE THE PRODUCT(S) DESCRIBED HEREIN ARE WRITTEN INTO SPECIFICATIONS, OR USED IN CRITICAL APPLICATIONS, THAT THE PERFORMANCE CHARACTERISTICS BE VERIFIED BY CONTACTING THE FACTORY.

GHz Technology Inc. 3000 Oakmead Village Drive, Santa Clara, CA 95051-0808 Tel. 408 / 986-8031 Fax 408 / 986-8120





TRANSFER CHARACTERISTICS VS FREQUENCY



August 1996



2304

NORMALIZED IMPEDANCE AND ADMITTANCE COORDINATES



NORMALIZED TO A 50 OHM SYSTEM.

FREQUENCY MHz	Zin R JX		FREQUENCY MHz	Zlo R	ad JX
1500	4	5	1500	3.9	16
2000	3.3	15	2000	2.7	3
2300	3.0	18	2300	2.6	-3
3000	2.5	2 2	3000	1.8	-7.5

