

2302

2.0 Watt - 20 Volts, Class C Microwave 2300 MHz

The 2302 C, RF or are used	CRAL DESCRIPTION 2 is a COMMON BASE transistor cap utput power at 2300 MHz. Gold meta to provide high reliability and supren Ily hermetic High Temperature Solde	CASE OUTLINE 55 BT- Style 1	
ABSO	LUTE MAXIMUM RATI	NGS	_ ^
Maximum Power Dissipation @ 25°C		7.0 Watts	
Maximu	m Voltage and Current		
BVces	Collector to Emitter Voltage	45 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	0.5 Amps	
Maximu	m Temperatures		
Storage 7	Femperature	- 65 to + 200°C	
Operatin	g Junction Temperature	+ 200°C	
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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 = 2.0Watts As Above F = 2.3 GHz, Po = 2.0W	2.0 8.0	40	0.3 20:1	Watt Watt dB %

BVces BVebo h _{FE}	Collector to Emitter Breakdown Emitter to Base Breakdown Current Gain	Ic = 10 mA Ie = 1.0 mA Vce = 5 V, Ic = 100 mA	45 3.5 10			Volts Volts
n _{fe} Cob θjc	Output Capacitance Thermal Resistance	F = 1.0 MHz, Vcb = 22 V	10	4.0	25	pF ℃/W

Initial Issue August 1994

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