

1720 - 2

2 Watt - 28 Volts, Class C Microwave 1700 - 2000 MHz

The 1720 Class C, designed Input pre	RAL DESCRIPTION -2 is a COMMON BASE transistor of RF output power over the band 1700- for Microwave Broadband Class C an matching and utilizes Gold metalizati tigh reliagility and supreme ruggedne	CASE OUTLINE 55LT, STYLE 1	
	LUTE MAXIMUM RATE n Power Dissipation @ 25°C	NGS 11.6 Watts	
	m Voltage and Current		
BVces	Collector to Emitter Voltage	50 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	0.5 Amps	
Maximu	m Temperatures		
Storage Temperature		- 65 to +150°C	
Operating	g 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 = 2.0 GHz Vcb = 28 Volts Pin = .35 Watts As Above F = 2.0GHz, Pin = .35	2.0 7.5	35	0.35 10:1	Watt Watt dB %

BVces BVebo H_{FE} Cob θ jc	Collector to Emitter Breakdown Emitter to Base Breakdown Current Gain Output Capacitance Thermal Resistance	Ic = 20 mA Ie = 0.25 mA Vce = 5 V, Ic = 100 mA F =1.0 MHz, Vcb = 28 V	50 3.5 10	4.5	15	Volts Volts mA pF °C/W
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