

1819-35

35 Watt - 28 Volts, Class C Microwave 1750 - 1850 MHz

The 1819 of Class designed Input and ballastin uses a fu	CRAL DESCRIPTION 9-35 is a COMMON BASE transistor C, RF output power over the band 175 I for Microwave Broadband Class C and d Output prematching and utilizes Gol g to provide high reliability and supre lly hermetic High Temperature Solder	CASE OUTLINE 55AW, STYLE 1	
ABSO	DLUTE MAXIMUM RATI	NGS	
Maximu	m Power Dissipation @ 25°C	135 Watts	
Maximu	m Voltage and Current		
BVces	Collector to Emitter Voltage	50 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	12 A	
Maximu	ım Temperatures		
	Temperature	- 65 to + 200°C	
-	g Junction Temperature	$+ 200^{\circ}$ 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 = 1750-1850 MHz Vcb = 28 Volts Pin = 7 Watts As Above F = 1850MHz, Pin = 7 W	35	7.0 40	7 10:1	Watt Watt dB %

BVeboEmitter tHFECurrent 0CobOutput 0	r to Emitter Breakdown o Base Breakdown Gain Capacitance Resistance	Ic = 20 mA Ie = 15 mA Vce = 5 V, Ic = 1 A F = 1 MHz, Vcb = 28V	50 3.5 10		100 1.3	Volts Volts pF °C/W	
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72034

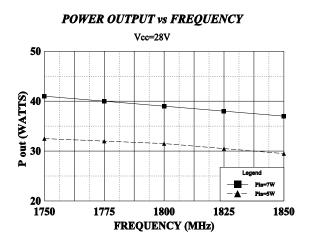
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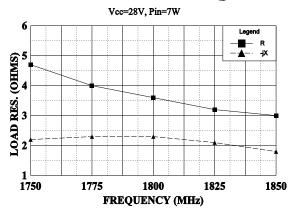
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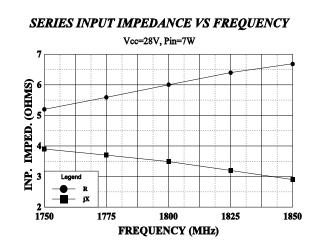
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SERIES LOAD IMPEDANCE vs FREQUENCY



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THERMAL RESISTANCE vs CASE TEMPERATURE

