

1719-8 8 Watts, 28 Volts, Class C Microwave 1700 - 1900 MHz

The 1719-8 Class C ou input prem diffused ba	RAL DESCRIPTION B is a COMMON BASE transistor cap tput power over the band 1750-1850 atching for full Broadband capabiliy. Illasting are used to provide high relia s. The transistor uses a fully hermetic kage.	MHz. The transistor includes Gold metalizaton and bility and supreme	CASE OUTLINE 55LV, STYLE 1
ABSO	LUTE MAXIMUM RA	TINGS	\sim \sim
Maximum Power Dissipation @ 25°C		30 Watts	
Maximum	Voltage and Current		
BVces	Collector to Emitter Voltage	50 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	2.0 Amps	
Maximum	Temperatures		
Storage Temperature		- 65 to + 200°C	
Operating Junction Temperature		+ 200°C	
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ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg ηc VSWR ₁	Power Out Power Input Power Gain Efficiency Load Mismatch Tolerance	F = 1750 -1850 MHz Vcc = 28 Volts Pout = 8.0 Watts	8.0 7.0	40	1.75 10:1	Watts Watts dB %

BVces BVebo Hfe Cob θjc	Collector to Emitter Breakdown Emitter to Base Breakdown Current Gain Output Capacitance Thermal Resistance	Ic = 10 mA Ie = 5 mA Vce = 5V, Ic = 500 mA Vcb = 28V, F = 1 MHz Tc = 25° C	50 3.5 20	15	120 5.8	Volts Volts pF °C/W
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