

1718-32L

32 Watt - 24 Volts, Class C Microwave 1750 - 1850 MHz

The 1718 Watts of transistor application metalization	CRAL DESCRIPTION 8-32L is a COMMON BASE transistor Class C, RF output power over the ba r is designed for Microwave Broadbar ons. It includes Input and Output pren tion and diffused ballasting to provide ess. The transistor uses a fully hermeti ackage.	nd 1750-1850 MHz. This d Class C amplifier natching and utilizes Gold high reliability and supreme	CASE OUTLINE 55KT - STYLE 1
ABSO	LUTE MAXIMUM RATI	NGS	
Maximum Power Dissipation @ 25°C		117 Watts	
Maximu	m Voltage and Current		
BVces	Collector to Emitter Voltage	50 Volts	
BVebo	e	3.5 Volts	
Ic	Collector Current	12 A	
Maximu	im Temperatures		
Storage 7	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 = 1750-1850 MHz Vcb = 24 Volts Pin = 7 Watts As Above F = 1750 MHz, Pin = 7 W	32 6.5	7.0 40	7 3:1	Watt Watt dB %

BVces BVebo H _{FE} Cob θjc	Collector to Emitter Breakdown Emitter to Base Breakdown Current Gain Output Capacitance * Thermal Resistance	Ic = 20 mA Ie = 15 mA Vce = 5 V, Ic = 500 mA F = 1 MHz, Vcb = 28V	50 3.5 10		100 1.5	Volts Volts pF °C/W	
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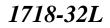
* Not measureable due to Output Prematch within the package

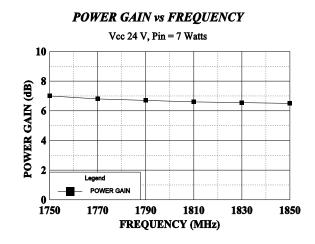
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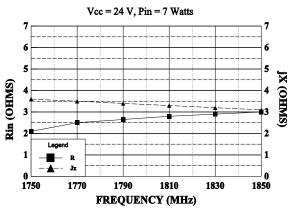
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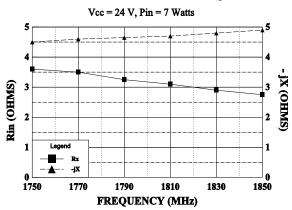




SERIES INPUT IMPEDANCE vs FREQUENCY



SERIES LOAD IMPEDANCE vs FREQUENCY



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