

DME 150

150 Watts, 50 Volts, Pulsed Avionics 1025 - 1150 MHz

GENERAL DESCRIPTION The DME 150 is a high power COMMON BA designed for pulsed systems in the frequency b device has gold thin-film metallization and dif highest MTTF. The transistor includes input a broadband capabilit. Low thermal resistance p temperature, extends life.	SE bipolar transistor. It is band 1025-1150 MHz. The fused ballasting for proven and ouput prematch for	CASE OUTLINE 55AY, STYLE 1
ABSOLUTE MAXIMUM R Maximum Power Dissipation @ 25°C ²	ATINGS 290 Watts	
Maximum Voltage and Current		
BVces Collector to Base Voltage	55 Volts	
BVebo Emitter to Base Voltage	4.0 Volts	
Ic Collector Current	15 Amps	
Maximum Temperatures		
Storage Temperature	- 65 to + 150°C	
Operating Junction Temperature	+ 150°C	

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg η _c VSWR	Power Out Power Input Power Gain Collector Efficiency Load Mismatch Tolerance	F = 1025-1150 MHz Vcc = 50 Volts PW = 10 μ sec DF = 1% F = 1090 MHz	150 7.8	8.3 40	25 20:1	Watts Watts dB %

BVebo BVces Cob h _{FE} θjc ²	Emitter to Base Breakdown Collector to Emitter Breakdown Capacitance Collector to Base DC - Current Gain Thermal Resistance	Ie = 15 mA Ic = 25 mA Vcb = 50 Volts Ic = 250 mA, Vce = 5 V	4.0 55 20		0.6	Volts Volts pF °C/W
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Note 1: At rated output power and pulse conditions 2: At rated pulse conditions

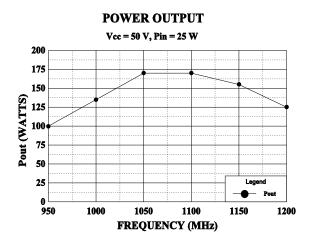
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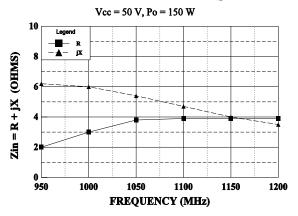
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SERIES INPUT IMPEDANCE vs FREQUENCY



SERIES LOAD IMPEDANCE vs FREQUENCY

