

0510-50A

50 Watts, 28 Volts, Class AB Defcom 500 - 1000 MHz

The 051 transisto It may b	ERAL DESCRIPTIO 0-50A is a double input matched or specifically intended for use in t e operated in Class AB or C. Gold ensure improved ruggedness and		
ABS	OLUTE MAXIMUM	RATINGS	
	m Power Dissipation @ 25°C	125 Watts	
Maxim	Im Voltage and Current		
	Collector to Emiter Voltage	60 Volts	
BVebo	Emitter to Base Voltage	4.0 Volts	
Ic	Collector Current	3.7 A	
Maxim	ım Temperatures		
Storage 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 ηc VSWR	Power Output Power Input Power Gain Efficiency Load Mismatch Tolerance	F = 1000 MHz Vcc = 28 Volts Vcb = 28V, Po = 50W	50	7.0 50	12.5 5:1	Watts Watts dB %

BVebo	Emitter to Base Breakdown	Ie = 5 mA	4.0			Volts
BVces	Collector to Emitter Breakdown	Ic = 100 mA	60			Volts
BVceo	Collector to Emitter Breakdown	Ie = 50 mA	27			Volts
Cob	Output Capacitance	Vcb = 28 V, F = 1 MHz		27		pF
h _{FE}	DC - Current Gain	Vce = 5 V, Ic = 500 mA	10			
θjc	Thermal Resistance				1.4	°C/W

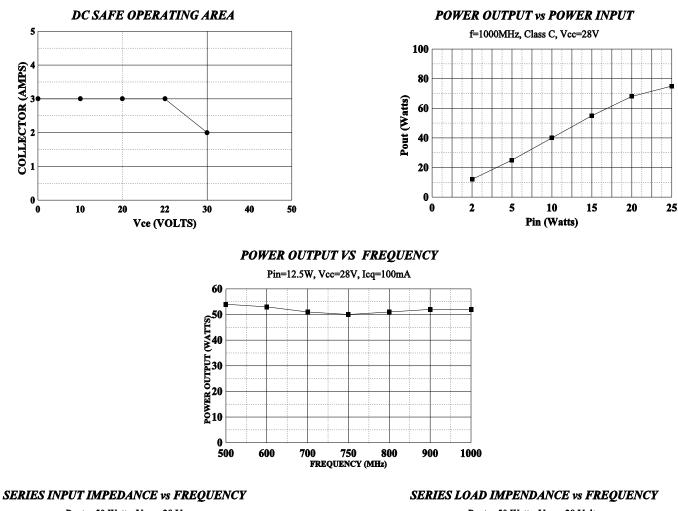
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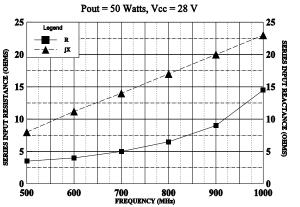
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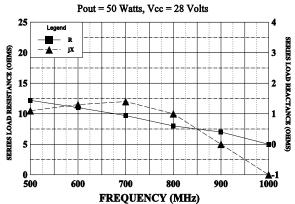
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