

0105-100

100 Watts, 28 Volts, Class AB Defcom 100 - 500 MHz

The 010 transisto may be o	ERAL DESCRIPTIO 5-100 is a double input matched G or specifically intended for use in t operated in Class AB or C. Gold a ensure ruggedness and high relial	1. It 3551, Style 2	
	OLUTE MAXIMUM m Power Dissipation @ 25°C	[RATINGS 270 Watts	
Maxim	um Voltage and Current		
BVces	Collector to Emiter Voltage	65 Volts	
BVebo	Emitter to Base Voltage	4.0 Volts	
Ic	Collector Current	16 A	
Maxim	um Temperatures		
Storage Temperature		- 40 to +150°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 = 500 MHz Vcc = 28 Volts	100 6.2	18 7.5 50	24 5:1	Watts Watts dB %

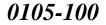
BVebo BVces BVceo Cob ²	Emitter to Base Breakdown Collector to Emitter Breakdown Collector to Emitter Breakdown Output Capacitance	Ie = 5 mA Ic = 100 mA Ie = 50 mA Vcb = 28 V , F = 1 MHz	4.0 60 31	140		Volts Volts Volts pF
h _{FE} θjc	DC - Current Gain Thermal Resistance	Vce = 5 V, Ic = 500 mA	10	110	0.65	°C/W

Note 2: Both sides together, all other specifications each side tested separately

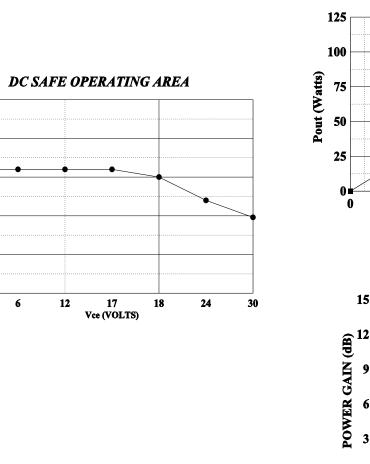
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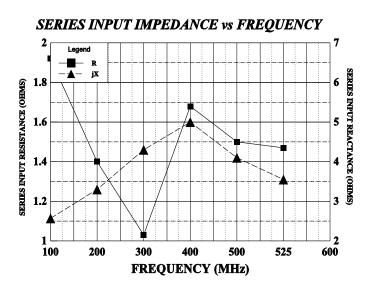
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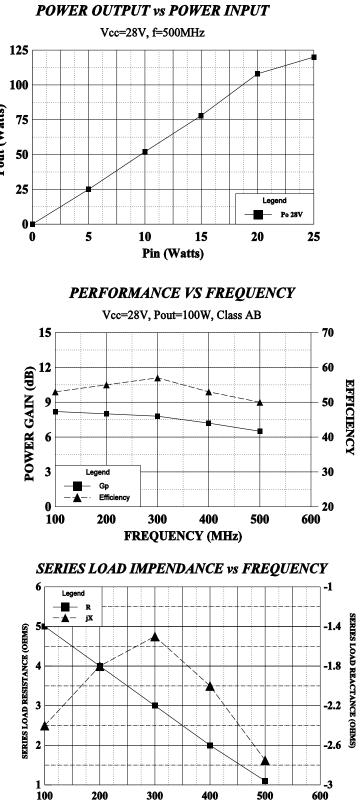
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FREQUENCY (MHz)