

UMIL 10 100 Watts, 28 Volts, Class AB or C Defcom 100 - 400 MHz

The UM intended Class Al	ERAL DESCRIPTIO IIL10 is a COMMON EMITTER b d for use in the 100-400 MHz freq B or C. Gold metallization and sil less and high reliability.	proadband transistor specifically usercy band. It may be operated	
	OLUTE MAXIMUM Im Power Dissipation @ 25°C	RATINGS 28 Watts	
Maxim	um Voltage and Current		25
BVces	Collector to Emiter Voltage	55 Volts	
	Emitter to Base Voltage	4.0 Volts	
Ic	Collector Current	1.5 A	
Maxim	um Temperatures		
Storage	Temperature	- 65 to +150°C	
0	ng Junction Temperature	$+200^{\circ}C$	

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 = 400 MHz Vcc = 28 Volts Class C Bias	10 10.0	60	1.0 30:1	Watts Watts dB %

BVebo BVces BVceo Cob h _{FE} θjc	Emitter to Base Breakdown Collector to Emitter Breakdown Collector to Emitter Breakdown Output Capacitance DC - Current Gain Thermal Resistance	Ie = 5 mA $Ic = 50 mA$ $Ie = 50 mA$ $Vcb = 28 V, F = 1 MHz$ $Vce = 5 V, Ic = 200 mA$	4.0 55 30 10	11.5	6.3	Volts Volts Volts pF °C/W
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Rev. A : August 2005

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