

1417-6A 6 Watts, 28 Volts, Class C Microwave 1400 - 1700 MHz

The 1417-6 providing 6 This transis application	RAL DESCRIPTION 54 is an internally matched, COMMO 5 watts of CW RF Output power acro stor is specifically designed for telem s. It utilizes gold metalization and di ility and superior ruggedness.	CASE OUTLINE 55LV, STYLE 1	
Maximum	LUTE MAXIMUM RA Power Dissipation @ 25°C Voltage and Current	ATINGS 19 Watts	
BVces	Collector to Emitter Voltage	50 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	1.0 Amps	
Maximum	Temperatures		
Storage Temperature		- 65 to + 200°C	
Operating Junction Temperature		+ 200°C	
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ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg ηc VSWR1	Power Output Power Input Power Gain Collector Efficiency Load Mismatch Tolerance	F = 1.4 - 1.7 GHz Vcc = 28 Volts	6.0 7.2	7.5 40	1.14 10:1	Watt dB %

BVebo BVces Icbo Cob Hfe	Emitter to Base Breakdown Collector to Emitter Breakdown Collector Leakage Current Output Capacitance DC - Current Gain	Ie = 3.0 mA Ic = 25mA Vcb = 28 V Vcb = 28 V , F=1 MHz Ic = 100 mA , Vce = 5 V	3.5 55 20	1.0 6.5	100	Volts Volts mA pF
θјс	Thermal Resistance	$TC = 25^{\circ}C$			9.0	°C/W

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