

1014-6A

6 Watts - 28 Volts, Class C Microwave 1000 - 1400 MHz

The 1014-(providing (1400 MHz for microw diffused en	RAL DESCRIPTION 5A is an internally matched, COMM 5 Watts of CW or pulsed RF output p 6 Watts of CW or pulsed RF output p 7. This hermetically solder-sealed tra rave broadband applications. It utiliz nitter ballasting to provide high relia	CASE OUTLINE 55LV, STYLE 1	
Maximum	Power Dissipation @ 25°C	19 Watts	
Maximum BVces BVebo Ic	Voltage and Current Collector to Emitter Voltage Emitter to Base Voltage Collector Current	50 Volts 3.5 Volts 1.0 Amps	
	Temperatures		$\langle \langle \langle \rangle \rangle$
Storage Temperature Operating Junction Temperature		- 65 to + 200°C + 200°C	
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ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pg ηc VSWR ¹	Power Out Power Gain Collector Efficiency Load Mismatch Tolerance	Freq = 1400 MHz Vcc = 28 Volts Pin = 1.2 Watts Pulse Width = CW	6 7.0	7.5 40	10:1	Watts dB %

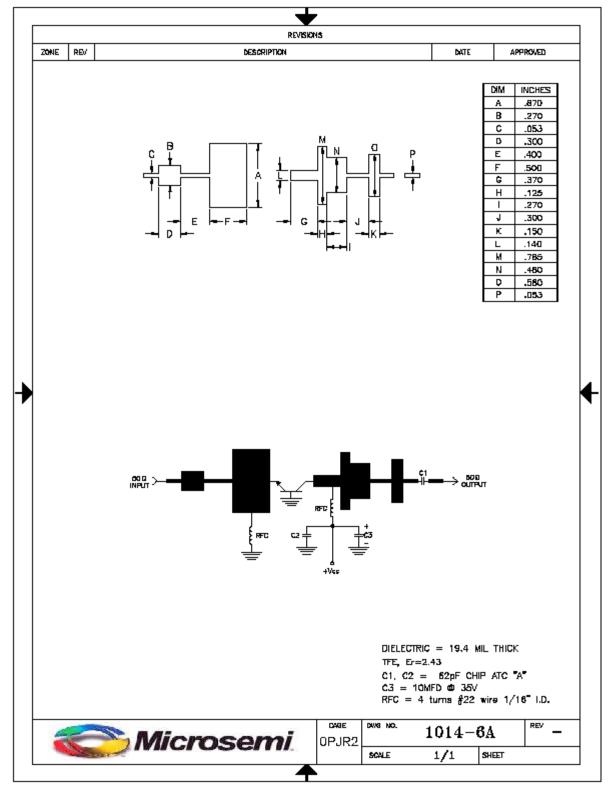
FUNCTIONAL CHARACTERISTICS @ 25°C

Bvces BVebo	Collector to Emitter Breakdown Emitter to Base Breakdown	Ic = 25 mA Ie = 3 mA	50	3.5	Volts Volts
$\mathbf{\Theta}$	Thermal Resistance			9.0	°C/W



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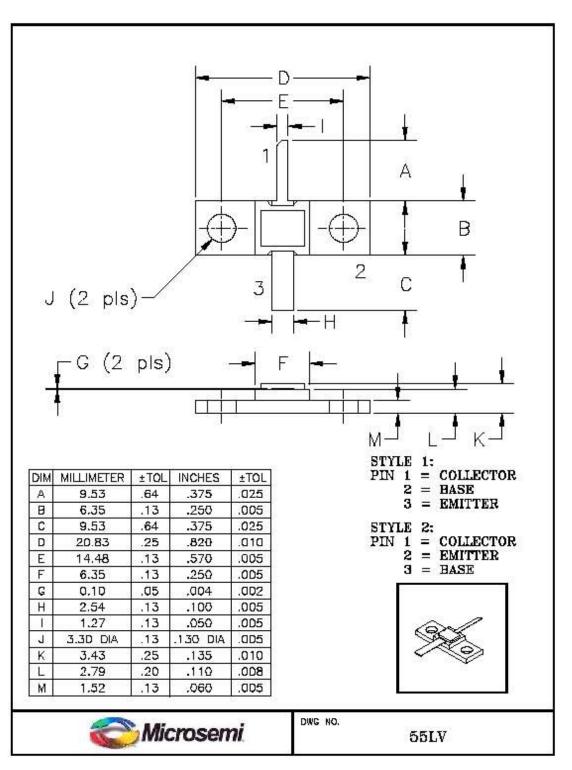
Test Circuit



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