

## 2223-1.7

1.7 Watts - 24 Volts, Class C Microwave 2200 - 2300 MHz

<b>GENERAL DESCRIPTION</b> The 2223-1.7 is a COMMON BASE transistor ca of Class C, RF output power over the band 2200 - is designed for Microwave Broadband Class C am includes input prematching and utilizes Gold metal ballasting to provide high reliability and supreme rr uses a fully hermetic High Temperature Solder sea <b>ABSOLUTE MAXIMUM RA</b>	2300 MHz. This transistor plifier applications. It lization and diffused lggedness. The transistor led package.	CASE OUTLINE 55LV, STYLE 1
Maximum Power Dissipation @ 25°C	7 Watts	
Maximum Voltage and Current		
BVces Collector to Emiter Voltage	45 Volts	
BVebo Emitter to Base Voltage	3.5 Volts	
Ic Collector Current	.25 Amps	
Maximum Temperatures		
Storage Temperature	- 65 to + 200°C	$\mathbf{v}$
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 =2.2 - 2.3 GHz Vcc = 24 Volts	1.7 8.3	35	.25 10:1	Watts Watts dB %

BVebo Hfe Cob	Collector to Base Breakdown Emitter to Base Breakdown Current Gain Output Capacitance Thermal Resistance	Ic = 10 mA Ie = 2 mA Vce = 5 V, Ic = 160mA Vcb = 28V, 1MHz Tc = 25 °C	40 3.5 10		100 24	Volts Volts pF °C/W
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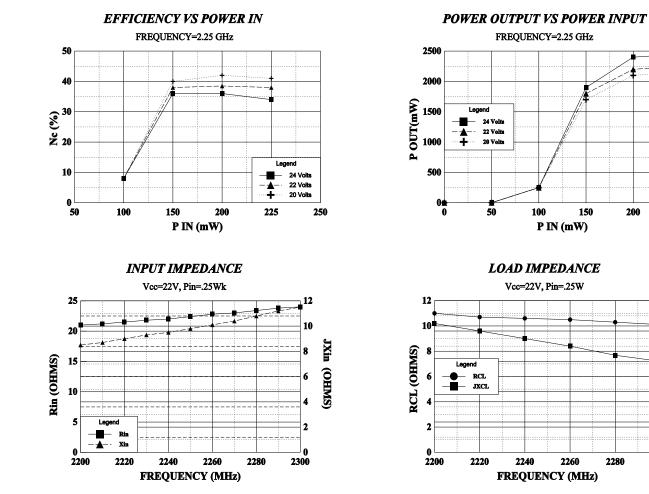
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