

2021-25

25 Watts, 24 Volts, Class C Microwave 2000 - 2130 MHz

The 2021-2 Class C out input and o metalization supreme ru	RAL DESCRIPTION 25 is a COMMON BASE transistor cap uput power over the band 2000-2130 M utput prematching for full Broadband n and diffused ballasting are used to pu ggedness. The transistor uses a fully he ed package.	CASE OUTLINE 55AW, STYLE 1	
ABSO	LUTE MAXIMUM RA	TINGS	\bigwedge
Maximum	Maximum Power Dissipation @ 25°C 58 Watts		
Maximum BVces	Voltage and Current Collector to Emitter Voltage	40 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	3.0 Amps	
Maximum Storage Ter	Temperatures	- 65 to + 200°C + 200°C	m.ch

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg ηc VSWR1	Power Out Power Input Power Gain Efficiency Load Mismatch Tolerance	F = 2000-2100 MHz Vcc = 24 Volts Pout = 25 Watts	25 7.0	50	5.0 3:1	Watts Watts dB %

BVces BVebo	Collector to Base Breakdown Emitter to Base Breakdown	Ic = 10 mA $Ie = 5 mA$	40 3.5	100	Volts Volts
Hfe Cob θjc	Current Gain Output Capacitance* Thermal Resistance	Vce = 5V, Ic=1 A Tc = 25° C	20	120 3.0	pF °C/W

* Not measureable due to internal prematch network

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