

125

357

°C/W

°C/W

2N3663

Thermal Resistance, Junction to Case

Thermal Resistance, Junction to Ambient

 $R_{\theta_{JC}}$

 $R_{\theta JA}$

Symbol	Parameter	Test Conditions	Min	Max	Units
<i></i>					•
FF CHA	RACTERISTICS				
BR)CEO	Collector-Emitter Breakdown Voltage*	$I_{\rm C} = 1.0 \text{ mA}, I_{\rm B} = 0$	12		V
BR)CBO	Collector-Base Breakdown Voltage	$I_{\rm C} = 100 \ \mu {\rm A}, I_{\rm E} = 0$	30		V
BR)EBO	Emitter-Base Breakdown Voltage	$I_{\rm E} = 100 \mu {\rm A}, I_{\rm C} = 0$	3.0		V
30	Collector-Cutoff Current	$V_{CB} = 15 \text{ V}, \text{ I}_{E} = 0$		0.5	μA
30	Emitter-Cutoff Current	$V_{EB} = 2.0 \text{ V}, I_{C} = 0$		0.5	μΑ
MALL SI	GNAL CHARACTERISTICS		5		
MALL SI	GNAL CHARACTERISTICS	$I_{\rm C}$ = 5.0 mA, $V_{\rm CE}$ = 10 V,	700	2100	MHz
		f = 100 MHz			_
ob	Output Capacitance	$V_{CB} = 10 \text{ V}, I_E = 0, f = 1.0 \text{ MHz}$	0.8	1.7	pF
°C _c	Collector Base Time Constant	l _c = 8.0 mA, V _{CE} = 10 V, f = 79.8 MHz		80	pS
UNCTIO	NALTEST	N.º			
F	Noise Figure	$I_{c} = 1.0 \text{ mA}, V_{CE} = 6.0 \text{ V},$ f = 60 MHz, Rg = 400 Ω		6.5	dB
pe	Amplifier Power Gain	$I_{C} = 6.0 \text{ mA}, V_{CE} = 12 \text{ V},$ f = 200 MHz	1.5		dB
	Pulse Width ≤ 300 μs, Duty Cycle ≤ 2.0%				

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