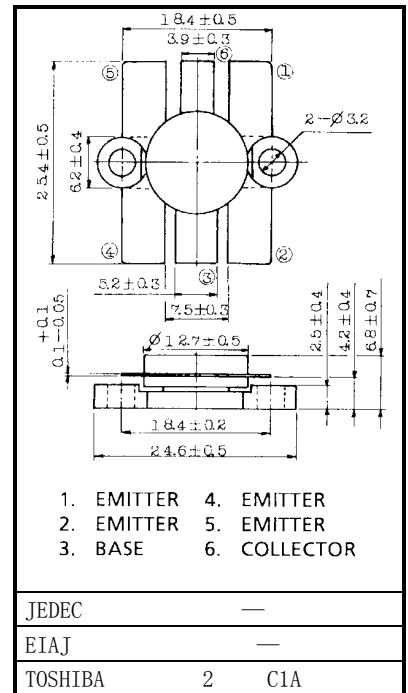


- Output Power : $P_o = 80W$ (Min.)
($f = 175MHz$, $V_{CC} = 12.5V$, $P_i = 18W$)

MAXIMUM RATINGS ($T_c = 25^\circ C$)

CHARACTERISTIC	SYMBOL	ATRNG	UNIT
Collector-Base Voltage	V_{CB0}	36	V
Collector-Emitter Voltage	V_{CE0}	16	V
Emitter-Base Voltage	V_{EB0}	4	V
Collector Current	I_c	20	A
Collector Power Dissipation	P_c	220	W
Junction Temperature	T_j	175	$^\circ C$
Storage Temperature Range	T_{stg}	65~175	$^\circ C$

Unit in mm



Weight: 5.5g

Note : Above parameters , ratings , limits and conditions are subject to change .

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT	
Collector-Base Breakdown Voltage	$V_{(BR) CBO}$	$I_C = 20mA, I_E = 0$		36	—	—	V
Collector-Emitter Breakdown Voltage	$V_{(BR) CEO}$	$I_C = 50mA, I_B = 0$		16	—	—	V
Emitter-Base Breakdown Voltage	$V_{(BR) EBO}$	$I_E = 1mA, I_C = 0$		4	—	—	V
DC Current Gain	h_{FE}	$V_{CE} = 5V, I_C = 10A *$		10	—	—	
Collector Output Capacitance	C_{bo}	$V_{CB} = 12.5V, I_E = 0$ $f = 1MHz$		—	—	320	pF
Output Power	P_o	(Fig.)		80	90	—	W
Power Gain	G_p	$V_{CC} = 12.5V, f = 175MHz$ $P_i = 18W$		6.4	6.8	—	dB
Collector Efficiency	η_c			60	70	—	%
Series Equivalent Input Impedance	Z_{in}	$V_{CC} = 12.5V$ $f = 175MHz, P_o = 80W$		—	1.0 + 1.5	—	
Series Equivalent Output Impedance	Z_{out}			—	1.2 + 1.8	—	

Note : Above parameters , ratings , limits and conditions are subject to change .