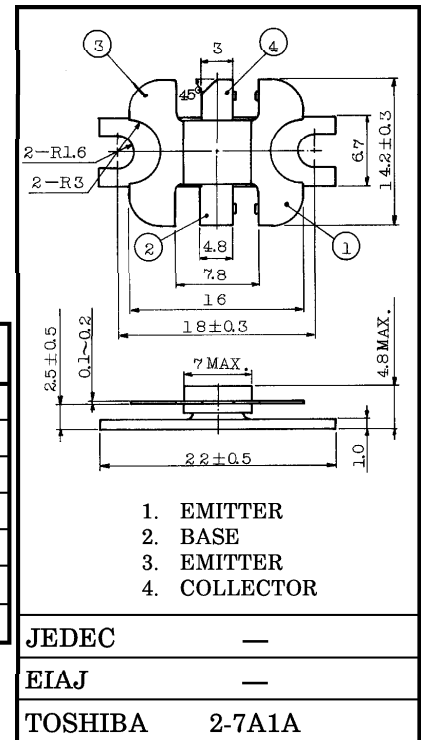


- Output Power : $P_o = 12W$ (Min.)
($f = 470MHz$, $V_{CC} = 12.6V$, $P_i = 3W$)

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	35	V
Collector-Emitter Voltage	V_{CEO}	17	V
Emitter-Base Voltage	V_{EBO}	3.5	V
Collector Current	I_C	2.8	A
Collector Power Dissipation	P_C	30	W
Junction Temperature	T_j	175	$^\circ C$
Storage Temperature Range	T_{stg}	-65~175	$^\circ C$



ELECTRICAL CHARACTERISTICS ($T_c = 25^\circ C$)

Weight : 1.6g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB} = 15V, I_E = 0$	—	—	1.5	mA
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C = 2mA, I_E = 0$	35	—	—	V
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = 10mA, I_B = 0$	17	—	—	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E = 0.2mA, I_C = 0$	3.5	—	—	V
DC Current Gain	h_{FE}	$V_{CE} = 5V, I_C = 1.5A *$	10	—	—	
Collector Output Capacitance	C_{ob}	$V_{CB} = 10V, I_E = 0$ $f = 1MHz$	—	28	40	pF
Output Power	P_o	(Fig.)	12	—	—	W
Power Gain	G_p	$V_{CC} = 12.6V, f = 470MHz$	6	—	—	dB
Collector Efficiency	η_C	$P_i = 3W$	60	—	—	%
Series Equivalent Input Impedance	Z_{in}	$V_{CC} = 12.6V, f = 470MHz$	—	1.2 +j4	—	Ω
Series Equivalent Output Impedance	Z_{out}	$P_o = 12W$	—	4 +j0.5	—	Ω

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