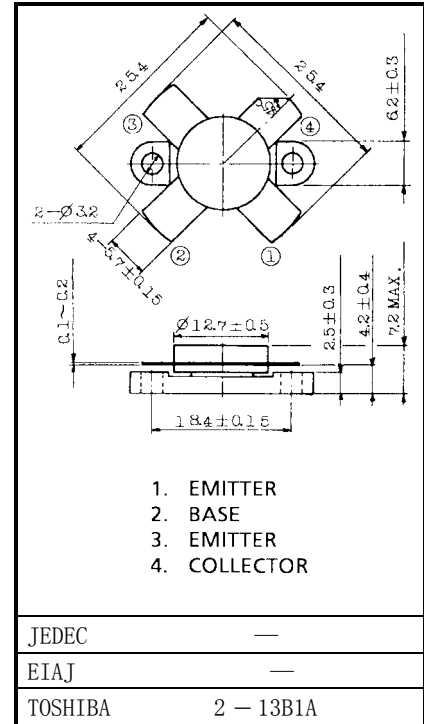


- Specified 28V, 28MHz Characteristics
- Output Power : $P_o = 150W_{PEP}$ (Min.)
- Power Gain : $G_p = 12.2dB$ (Min.)
- Collector Efficiency $\eta_c = 35%$ (Min.)
- Intermodulation Distortion : $IMD = -30dB$ (Max.)

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	60	V
Collector-Emitter Voltage	V_{CES}	60	V
Collector-Emitter Voltage	V_{CEO}	35	V
Emitter-Base Voltage	V_{EBO}	4	V
Collector Current	I_C	20	A
Collector Power Dissipation	P_C	250	W
Junction Temperature	T_j	175	$^\circ C$
Storage Temperature Range	T_{stg}	$-65 \sim 175$	$^\circ C$



Weight: 5.2g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector-Emitter Breakdown Voltage	$V_{(BR) CEO}$	$I_C = 100mA, I_B = 0$	35	—	—	V
Collector-Emitter Breakdown Voltage	$V_{(BR) CES}$	$I_C = 100mA, V_{EB} = 0$	55	—	—	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_{ob}	$V_{CB} = 28V, I_C = 0$ $f = 1MHz$	—	450	600	pF
Power Gain	G_p	$V_{CC} = 28V, f = 28.000MHz,$ $f_2 = 28.001MHz,$ $I_{idle} = 100mA$ $P_o = 150W_{PEP}$ (Fig.)	12.2	13.3	—	dB
Input Power	P_i		—	7	9	W _{PEP}
Collector Efficiency	η_c		35	—	—	%
Intermodulation Distortion	IMD		—	—	-30	dB
Series Equivalent Input Impedance	Z_{in}	$V_{CC} = 28V, f = 28.000MHz,$ $f_2 = 28.001MHz,$ $P_o = 150W_{PEP}$	—	1.4 -j0.9	—	Ω
Series Equivalent Output Impedance	Z_{out}		—	2.3 -j0.9	—	Ω

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