

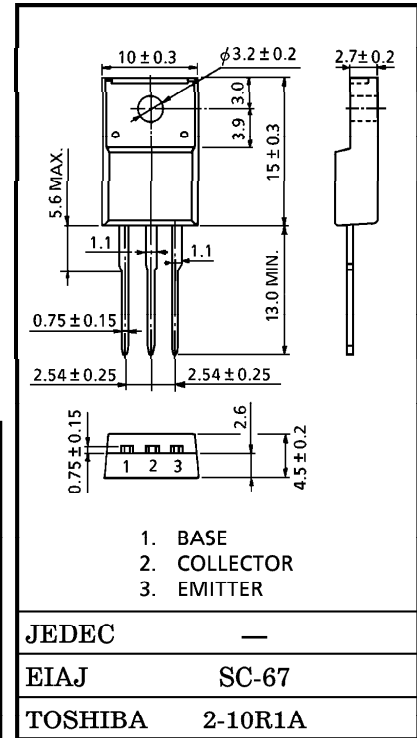
TOSHIBA TRANSISTOR SILICON PNP TRIPLE DIFFUSED TYPE (PCT PROCESS)

2SA940A

POWER AMPLIFIER APPLICATIONS
VERTICAL OUTPUT APPLICATIONS

- Complementary to 2SC2073A

Unit in mm



JEDEC	—
EIAJ	SC-67
TOSHIBA	2-10R1A

Weight : 1.7g

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	-150	V
Collector-Emitter Voltage	V _{CEO}	-150	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-1.5	A
Base Current	I _B	-0.5	A
Collector Power Dissipation	P _C	2.0	W
		25	
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CBO}	V _{CB} = -120V, I _E = 0	—	—	-10	μA
Emitter Cut-off Current	I _{EBO}	V _{EB} = -5V, I _C = 0	—	—	-10	μA
DC Current Gain	h _{FE}	V _{CE} = -10V, I _C = -500mA	40	75	140	
Collector-Emitter Saturation Voltage	V _{CE (sat)}	I _C = -500mA, I _B = -50mA	—	—	-1.5	V
Base-Emitter Voltage	V _{BE}	V _{CE} = -10V, I _C = -500mA	-0.65	-0.75	-0.85	V
Transition Frequency	f _T	V _{CE} = -10V, I _C = -500mA	—	4	—	MHz
Collector Output Capacitance	C _{ob}	V _{CB} = -10V, I _E = 0, f = 1MHz	—	55	—	pF

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