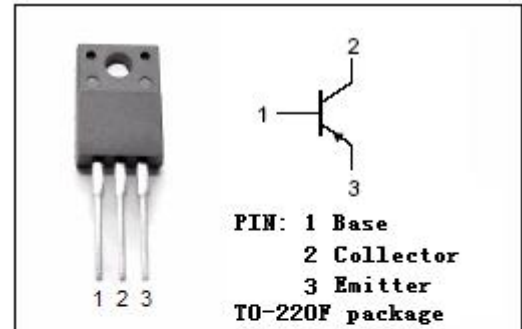


DESCRIPTION

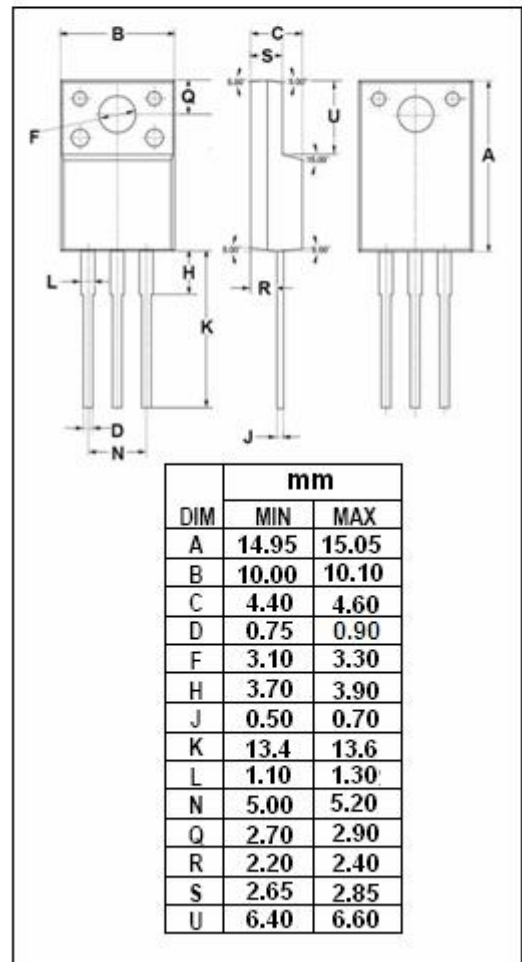
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -50V(\text{Min})$
- High-speed switching.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Relay drivers, lamp drivers, motor drivers, strobes.


ABSOLUTE MAXIMUM RATINGS($T_a=25^\circ\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-50	V
V_{CEO}	Collector-Emitter Voltage	-50	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-7	A
I_{CM}	Collector Current-Peak	-10	A
P_C	Collector Power Dissipation @ $T_a=25^\circ\text{C}$	2	W
	Collector Power Dissipation @ $T_c=25^\circ\text{C}$	18	
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature	-55~150	$^\circ\text{C}$



isc Silicon PNP Power Transistor**2SA2022****ELECTRICAL CHARACTERISTICS****T_j=25°C unless otherwise specified**

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -1mA; R _{BE} = ∞	-50			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = -10uA; I _E = 0	-50			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -10uA; I _C = 0	-6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -2.5A; I _B = -0.125A			-0.3	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -2.5A; I _B = -0.125A			-1.2	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -40V; I _E =0			-0.1	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -4V; I _C =0			-0.1	μ A
h _{FE-1}	DC Current Gain	I _C = -1A; V _{CE} = -2V	150		300	

Notice:

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