

isc Silicon PNP Power Transistor

2SA2140

DESCRIPTION

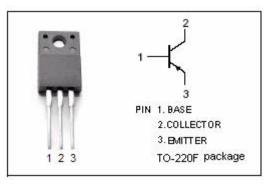
- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -180V(Min)
- Good Linearity of h_{FE}
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

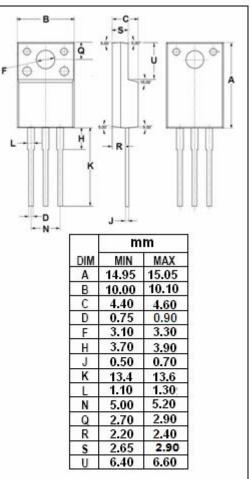
APPLICATIONS

• Designed for power amplification and for TV VM circuit.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-180	V
V _{CEO}	Collector-Emitter Voltage	-180	V
V _{EBO}	Emitter-Base Voltage	-6	V
lc	Collector Current-Continuous	-1.5	A
I _{CP}	Collector Current-Peak	-3	A
	Collector Power Dissipation @Ta=25°C	2	
Pc	Collector Power Dissipation @T _c =25°C	20	W
TJ	Junction Temperature	150	°C
Tstg	Storage Temperature	erature -55~150	





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ELECTRICAL CHARACTERISTICS

Tj=25 $^{\circ}\!\!\!\!\!{\rm C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA ; I _B = 0	-180			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -1A; I _B = -0.1A			-0.5	V
I _{СВО}	Collector Cutoff Current	V _{CB} = -180V ; I _E = 0			-100	μA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -6V; I _C = 0			-100	μA
h _{FE}	DC Current Gain	I _C = -0.1A ; V _{CE} = -5V	60		240	
Сов	Collector Output Capacitance	I _E = 0; V _{CB} = -10V; f= 1MHz		30		pF
f⊤	Current-Gain—Bandwidth Product	Ic= -0.2A; Vce= -10V; f= 10MHz		100		MHz

h_{FE} Classifications

Q	Р
60-140	120-240

NOTICE:

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