

isc Silicon PNP Power Transistor

2SB1346

DESCRIPTION

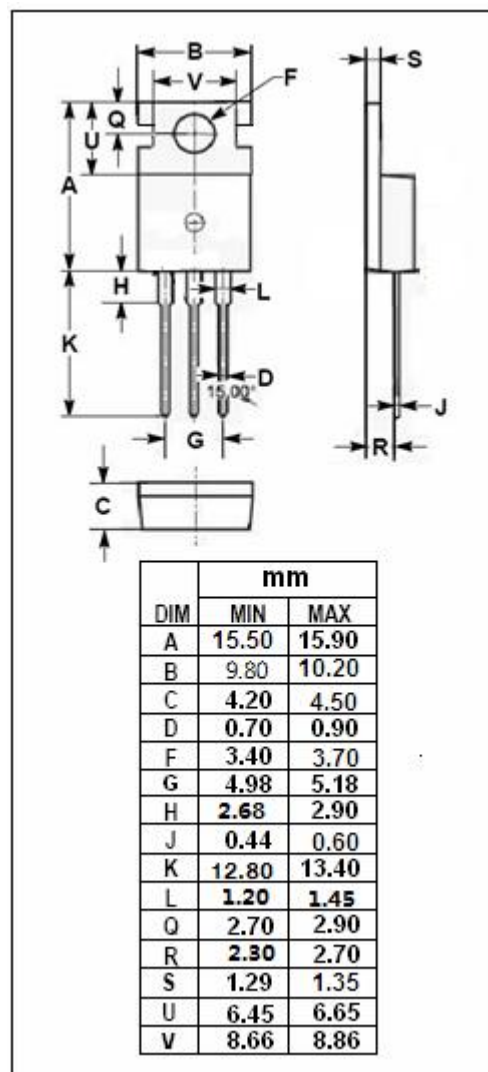
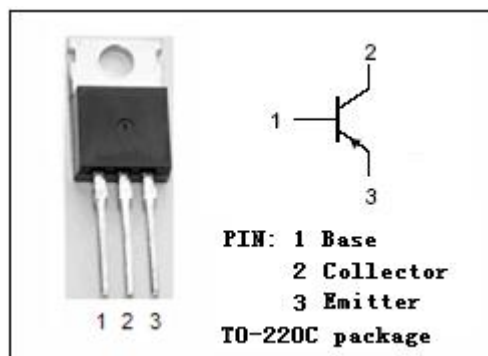
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -60V(\text{Min})$
- Good Linearity of h_{FE}
- Wide Area of Safe Operation
- Complement to Type 2SD2027
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for low frequency and general purpose amplifier applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-60	V
V_{CEO}	Collector-Emitter Voltage	-60	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-3	A
I_{CM}	Collector Current-Peak	-8	A
P_C	Collector Power Dissipation @ $T_a=25^\circ\text{C}$	2	W
	Collector Power Dissipation @ $T_c=25^\circ\text{C}$	30	
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature	-40~150	$^\circ\text{C}$



isc Silicon PNP Power Transistor**2SB1346****ELECTRICAL CHARACTERISTICS**

Tj=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	$I_C = -5mA$; $R_{BE} = \infty$	-60			V
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage	$I_C = -1mA$; $I_E = 0$	-60			V
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage	$I_E = -1mA$; $I_C = 0$	-6			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C = -2A$; $I_B = -0.2A$			-1.0	V
$V_{BE(on)}$	Base-Emitter On Voltage	$I_C = -0.5A$; $V_{CE} = -5V$			-1.0	V
I_{CBO}	Collector Cutoff Current	$V_{CB} = -40V$; $I_E = 0$			-100	μA
I_{EBO}	Emitter Cutoff Current	$V_{EB} = -4V$; $I_C = 0$			-100	μA
h_{FE-1}	DC Current Gain	$I_C = -0.5A$; $V_{CE} = -5V$	70		280	
h_{FE-2}	DC Current Gain	$I_C = -3A$; $V_{CE} = -5V$	20			

◆ h_{FE-1} Classifications

Q	R	S
70-140	100-200	140-280

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