

Silicon PNP Power Transistor

2SB526

DESCRIPTION

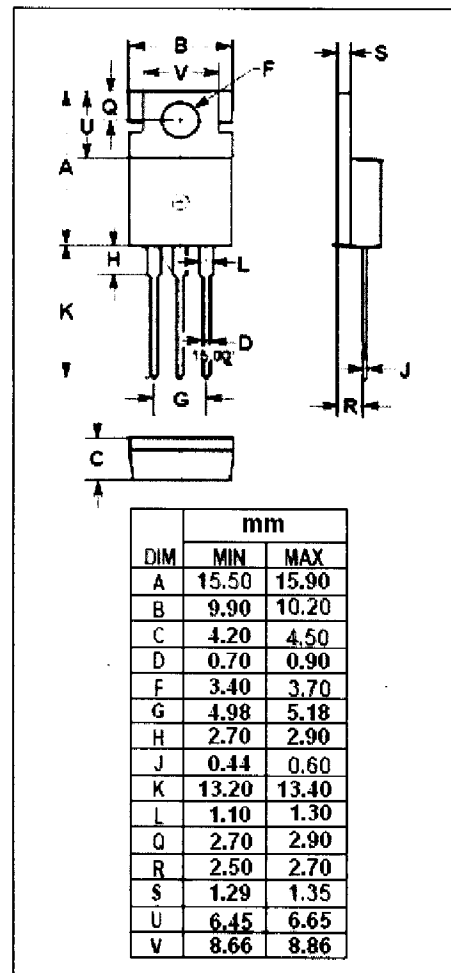
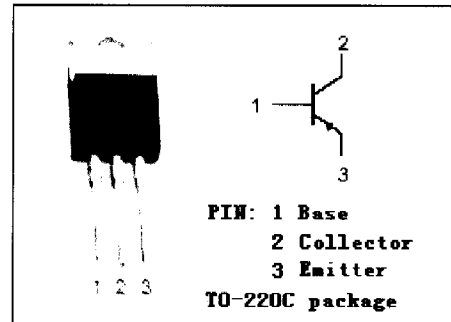
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -80V(\text{Min})$
- Good Linearity of h_{FE}
- Complement to Type 2SD356

APPLICATIONS

- Designed for AF high power driver applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-90	V
V_{CEO}	Collector-Emitter Voltage	-80	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-0.8	A
P_C	Collector Power Dissipation @ $T_a=25^\circ\text{C}$	1	W
	Collector Power Dissipation @ $T_c=25^\circ\text{C}$	10	
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



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ELECTRICAL CHARACTERISTICS

$T_c=25^\circ\text{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	$I_C = -10\text{mA}; R_{BE} = \infty$	-80			V
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage	$I_C = -1\text{mA}; I_E = 0$	-90			V
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage	$I_E = -1\text{mA}; I_C = 0$	-5			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C = -0.3\text{A}; I_B = -30\text{mA}$			-1.0	V
$V_{BE(on)}$	Base-Emitter On Voltage	$I_C = -50\text{mA}; V_{CE} = -4\text{V}$		0.7		V
I_{CEO}	Collector Cutoff Current	$V_{CE} = -80\text{V}; R_{BE} = \infty$			-1	mA
I_{EBO}	Emitter Cutoff Current	$V_{EB} = -5\text{V}; I_C = 0$			-10	μA
h_{FE}	DC Current Gain	$I_C = -0.3\text{A}; V_{CE} = -4\text{V}$	55		300	

◆ h_{FE} Classifications

C	D	E
55-110	90-180	150-300