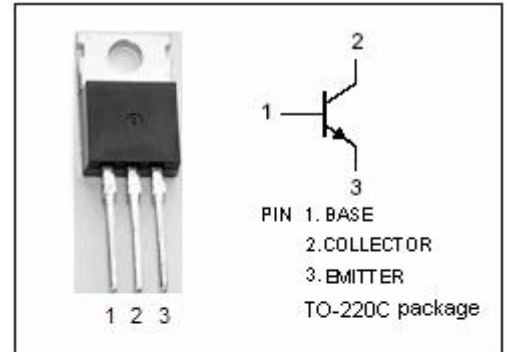


DESCRIPTION

- DC Current Gain $-h_{FE} = 30\sim 150@ I_C = 0.3A$
- Collector-Emitter Sustaining Voltage-
: $V_{CEO(SUS)} = 250V(\text{Min})$

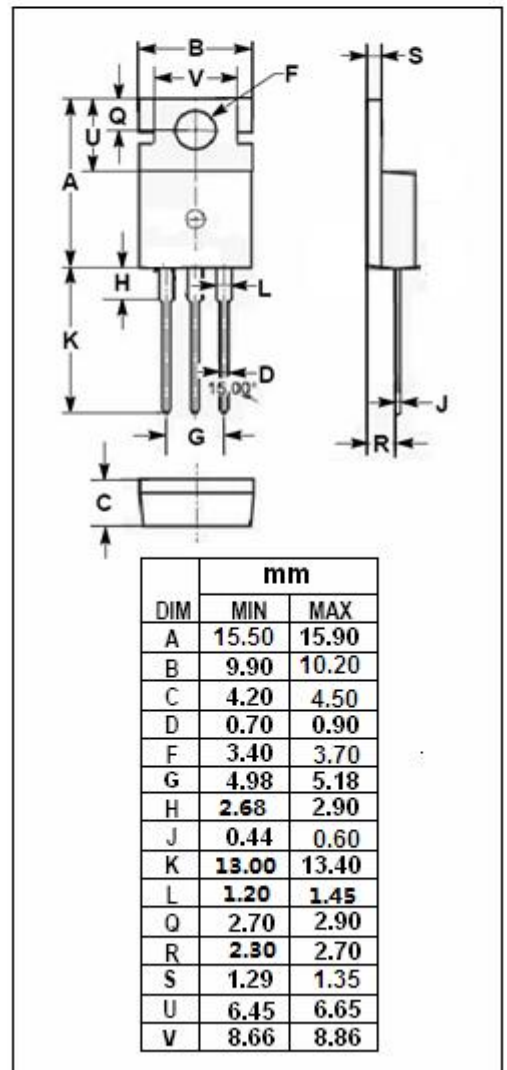
APPLICATIONS

- Designed for line operated audio output amplifier,switchmode power supply drivers and other switching applications



ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	350	V
V _{CEO}	Collector-Emitter Voltage	250	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current-Continuous	1.0	A
I _{CM}	Collector Current-Peak	2.0	A
I _B	Base Current	0.6	A
P _D	Collector Power Dissipation T _C =25°C	40	W
	Collector Power Dissipation T _a =25°C	2	
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-65~150	°C



THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	3.125	°C/W
R _{th j-a}	Thermal Resistance,Junction to Ambient	62.5	°C/W

ELECTRICAL CHARACTERISTICS

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

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{CEQ(SUS)}$	Collector-Emitter Sustaining Voltage	$I_C= 30\text{mA}; I_B= 0$	250		V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C= 1\text{A}; I_B= 0.2\text{A}$		1.0	V
$V_{BE(on)}$	Base-Emitter On Voltage	$I_C= 1\text{A}; V_{CE}= 10\text{V}$		1.5	V
I_{CBO}	Collector Cutoff Current	$V_{CB}= 350\text{V}; I_E= 0$		1.0	mA
I_{CEO}	Collector Cutoff Current	$V_{CE}= 150\text{V}; I_B= 0$		1.0	mA
I_{EBO}	Emitter Cutoff Current	$V_{EB}= 5\text{V}; I_C= 0$		1.0	mA
h_{FE-1}	DC Current Gain	$I_C= 0.3\text{A}; V_{CE}= 10\text{V}$	30	150	
h_{FE-2}	DC Current Gain	$I_C= 1\text{A}; V_{CE}= 10\text{V}$	10		
f_T	Current-Gain—Bandwidth Product	$I_C= 0.1\text{A}; V_{CE}= 10\text{V}$	10		MHz