

/ Descriptions

TO-252	PNP	Silicon PNP transistor in a TO-252 Plastic Package.
--------	-----	---

/ Features

 β_{FE}

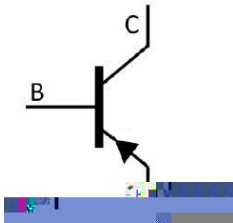
Low saturation voltage, excellent h_{FE} linearity and high h_{FE} , Halogen-free Product.

/ Applications

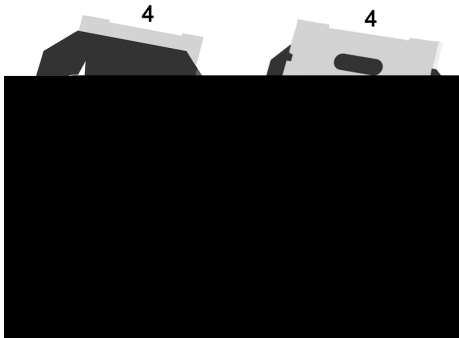
3

Output stage of 3 watts audio amplifier, voltage regulator, DC-DC converter and relay driver.

/ Equivalent Circuit



/ Pinning



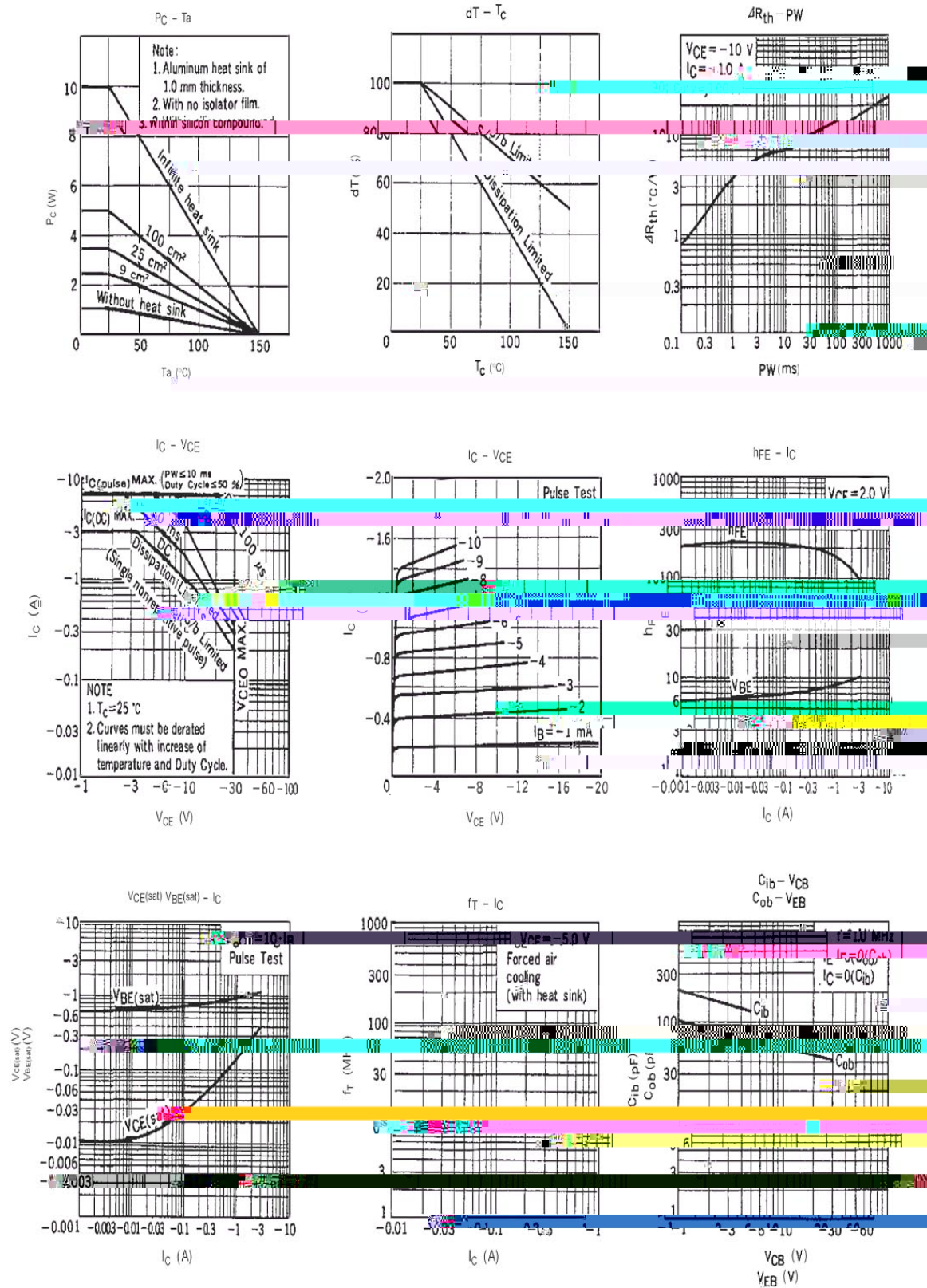
PIN1	Base	PIN 2,4	Collector	PIN 3	Emitter
------	------	---------	-----------	-------	---------

/ h_{FE} Classifications & Marking

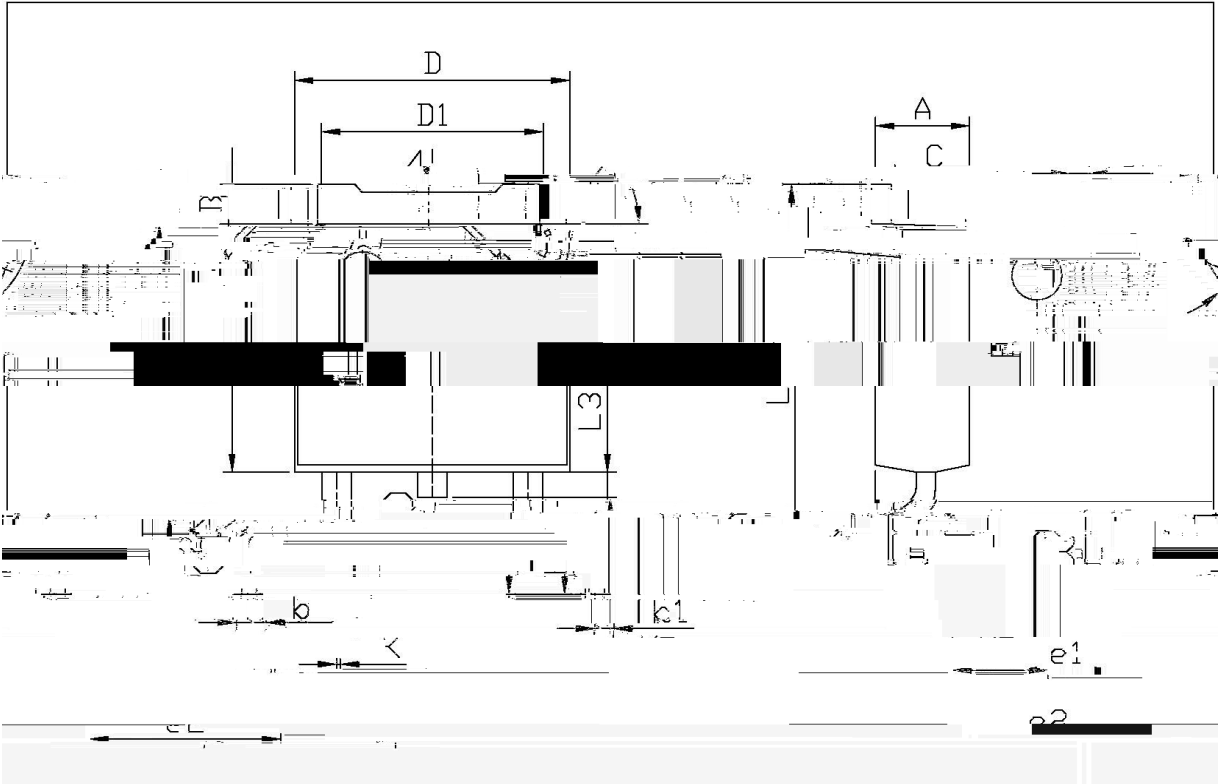
h _{FE} Classifications Symbol	R	Q	P	E
h _{FE} Range	60 120	100 200	160 320	200 400

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-3.0	A
Collector Power Dissipation	P_C	1.0	W
	$P_C(T_C=25^\circ\text{C})$	10	W
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristic Curve



I Package Dimensions

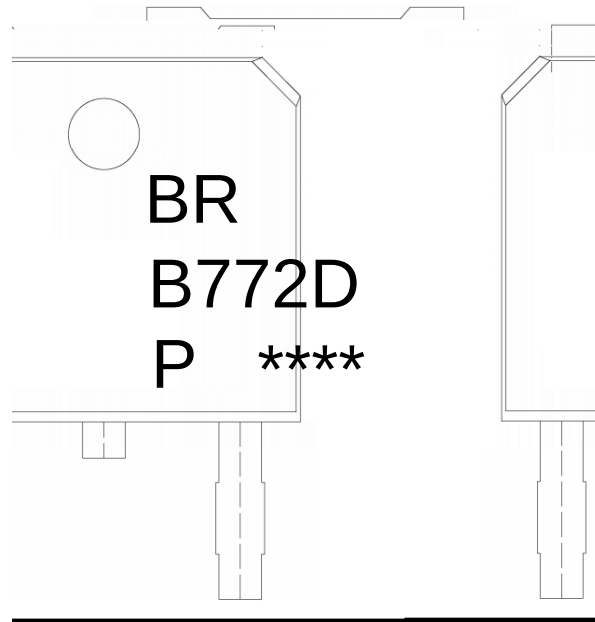


单位: mm

Dimensions, Millimeters		Dimensions, In Millimeters	
Min	Max	Min	Max
B	0.95	1.25	2.24
C	0.30	0.60	4.73
D	0.45	0.55	5.00
D1	0.45	0.55	5.00
L	0.45	0.55	5.00
L3	0.45	0.55	5.00
b	0.45	0.55	5.00
k1	0.45	0.55	5.00
e1	0.45	0.55	5.00
e2	0.45	0.55	5.00

T0-252

/ Marking Instructions



BR

B772D

P: h_{FE}

Note:

BR: Company Code

B772D: Product Type

P: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.

