

/ Descriptions

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

 β_{FE}

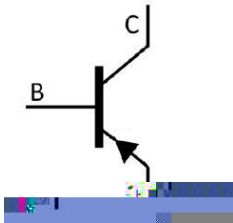
Low saturation voltage, excellent h_{FE} linearity and high h_{FE} , Halogen-free Product.

/ Applications

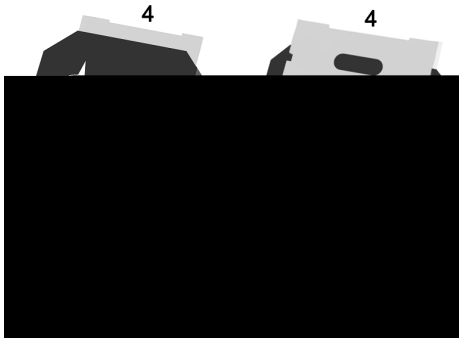
3

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

/ Equivalent Circuit



/ Pinning



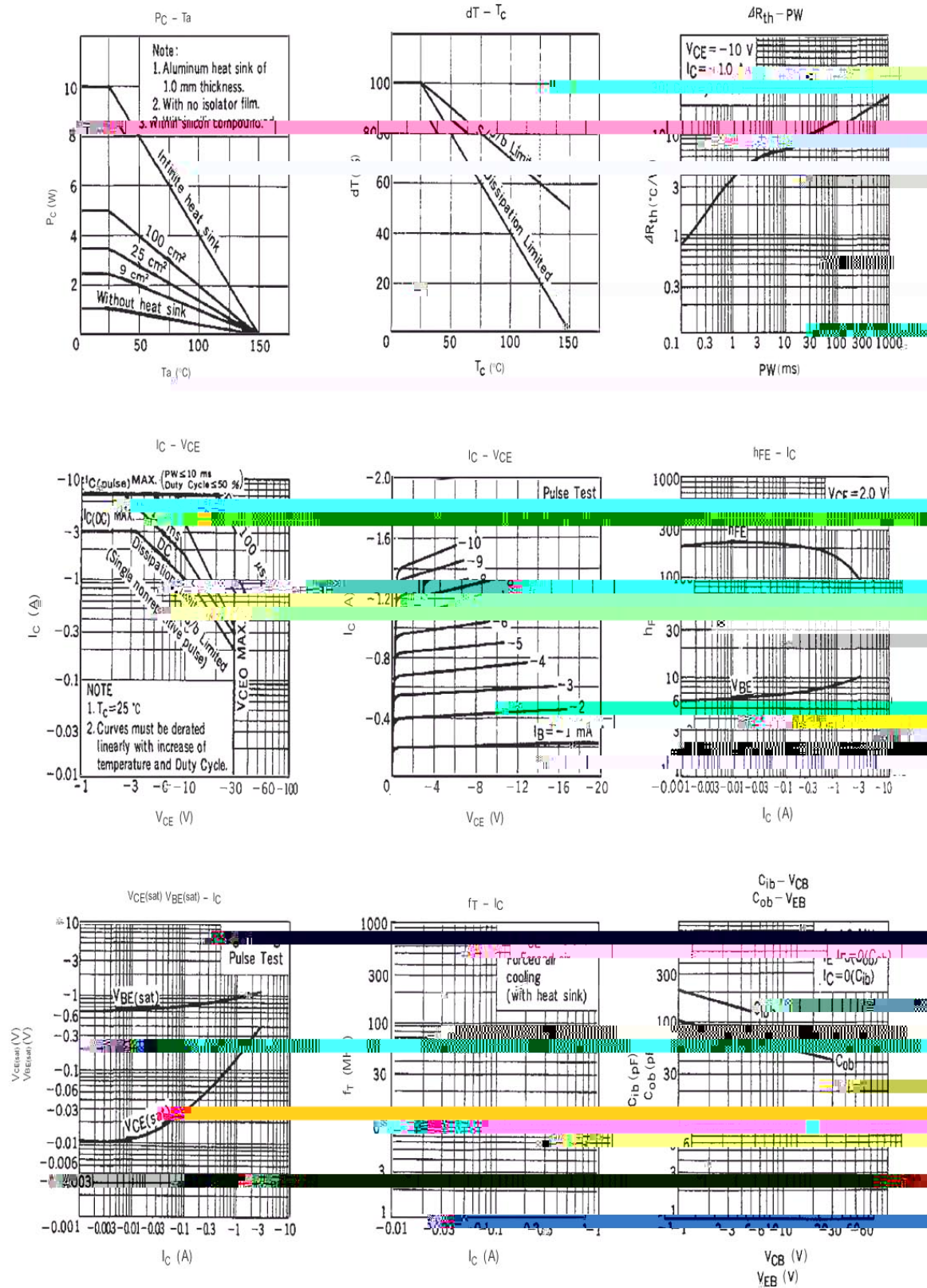
PIN1	Base	PIN 2,4	Collector	PIN 3	Emitter
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/ h_{FE} Classifications & Marking

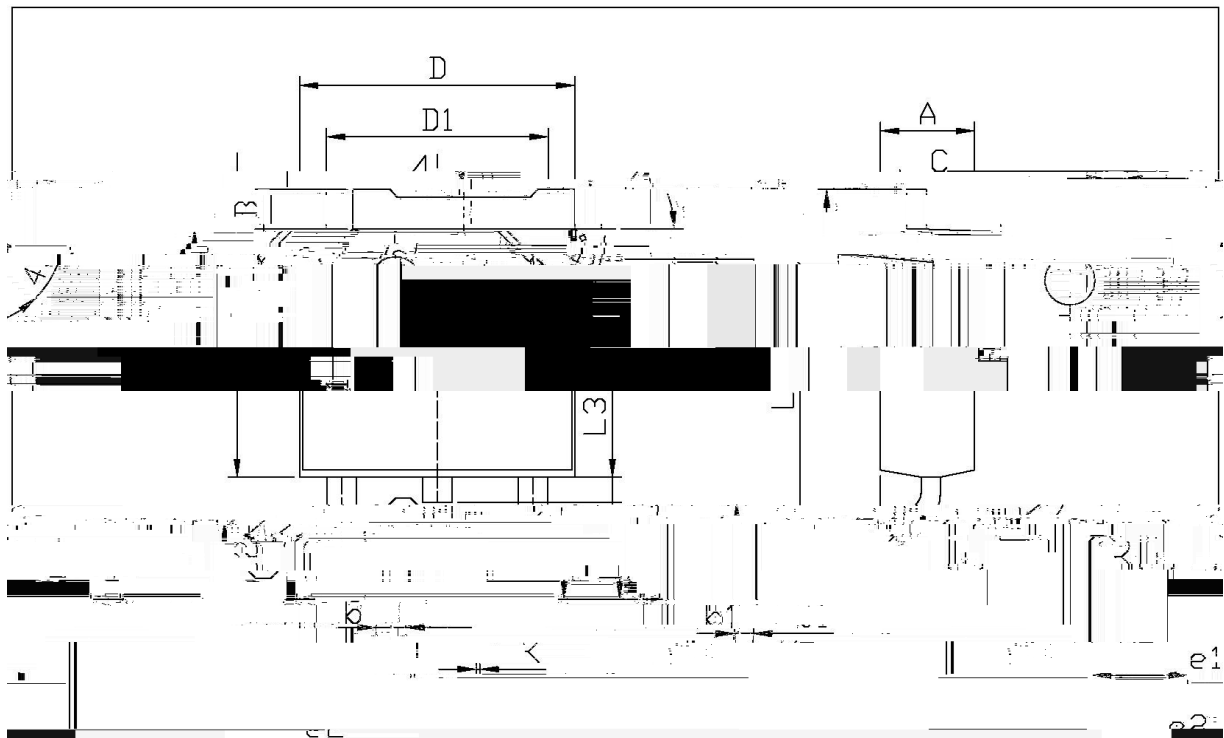
h _{FE} Classifications Symbol	R	Q	P	E
h _{FE} Range	60 120	100 200	160 320	200 400

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



/ Package Dimensions

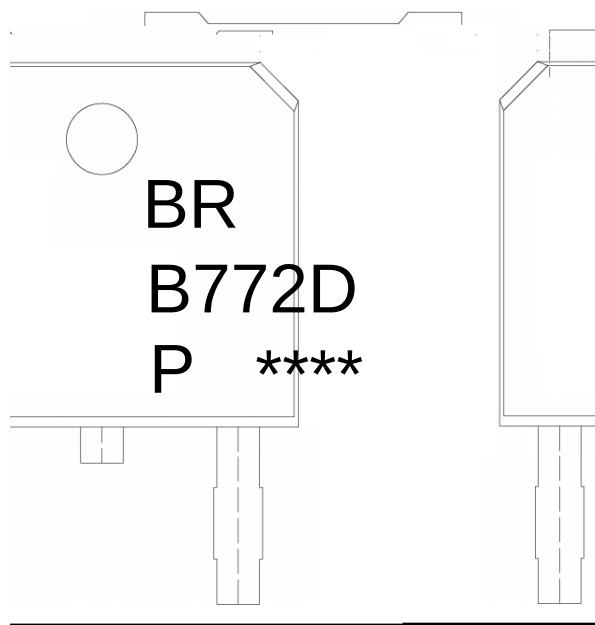


单位: mm

Dimensions		Millimeters		Dimensions		Millimeters	
Min	Max	Min	Max	Min	Max	Min	Max
27.24	27.32	0.95	1.25	0.95	1.25	0.95	1.25
4.42	4.62	0.70	0.90	0.70	0.90	0.70	0.90
0.95	2.5	0.45	0.55	0.45	0.55	0.45	0.55
2.38	0.45	0.55	0.60	0.55	0.60	0.55	0.60
0.90	0.65	0.75	0.60	0.75	0.60	0.60	0.60
0.10	DI	5.10	5.50	5.50	RE	0.00	0.00

TO-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.

