

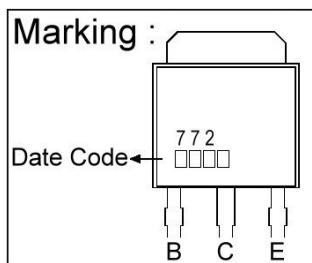
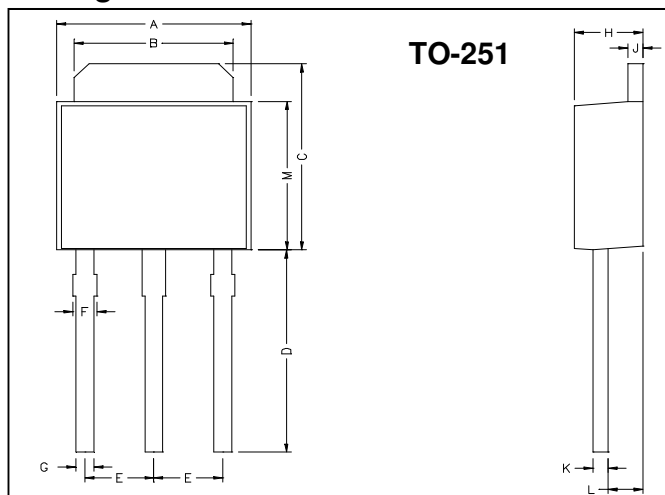
## GI772

### PNP EPITAXIAL PLANAR TRANSISTOR

#### Description

The GI772 is designed for using in output stage of 10W amplifier, voltage regulator, DC-DC converter and relay driver.

#### Package Dimensions



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.40	6.80	G	0.50	0.70
B	5.20	5.50	H	2.20	2.40
C	6.80	7.20	J	0.45	0.55
D	7.20	7.80	K	0.45	0.60
E	2.30 REF.		L	0.90	1.50
F	0.60	0.90	M	5.40	5.80

#### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	VCBO	-40	V
Collector to Emitter Voltage	VCEO	-30	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current	IC	-3	A
Collector Current (Pulse)	IC	-7	A
Base Current	IB	-0.6	A
Total Power Dissipation(Tc=25°C)	PD	10	W

#### Electrical Characteristics (Ta = 25°C)

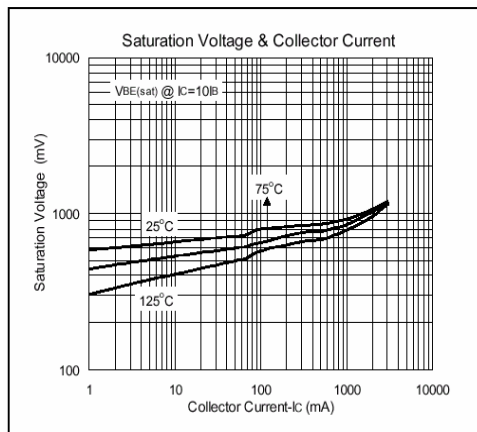
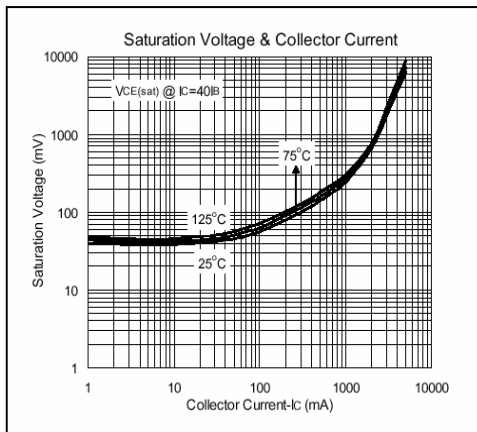
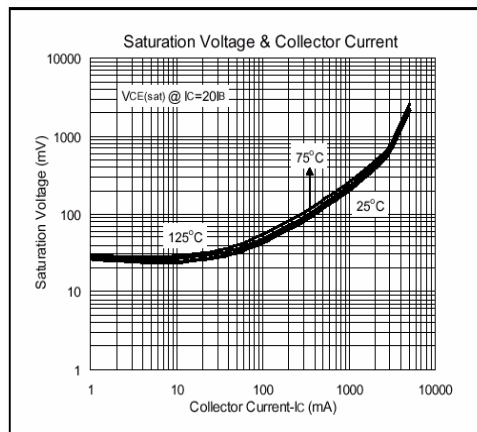
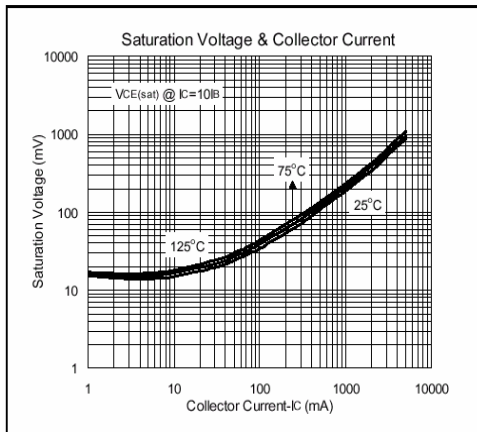
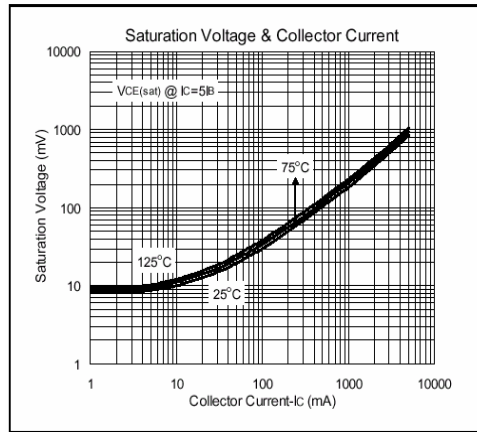
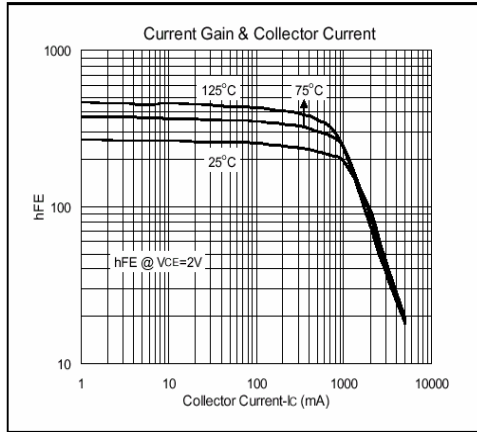
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-40	-	-	V	IC=-100uA, IE=0
BVCEO	-30	-	-	V	IC=-1mA, IB=0
BVEBO	-5	-	-	V	IE=-10uA, IC=0
ICBO	-	-	-1	uA	VCB=-30V, IE=0
IEBO	-	-	-1	uA	VEB=-3V, IC=0
*VCE(sat)	-	-0.3	-0.5	V	IC=-2A, IB=-0.2A
*VBE(sat)	-	-1	-2	V	IC=-2A, IB=-0.2A
*hFE1	30	-	-		VCE=-2V, IC=-20mA
*hFE2	100	-	500		VCE=-2V, IC=-1A
fT	-	80	-	MHz	VCE=-5V, IC=-0.1A, f=100MHz
Cob	-	55	-	pF	VCB=-10V, IE=0, f=1MHz

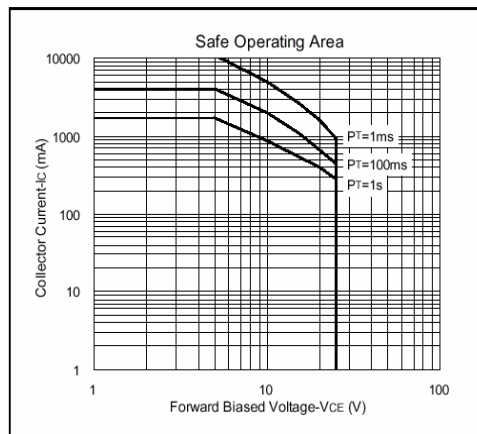
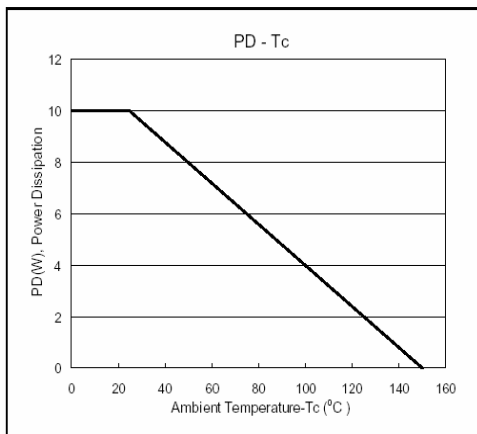
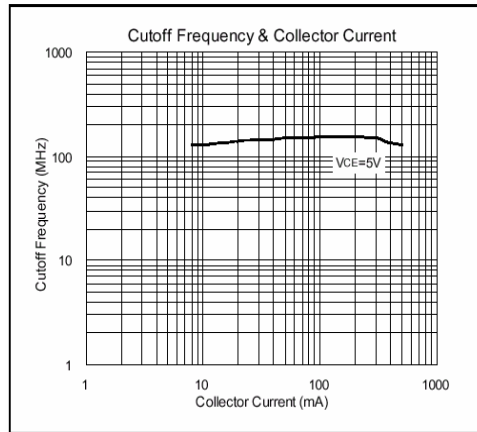
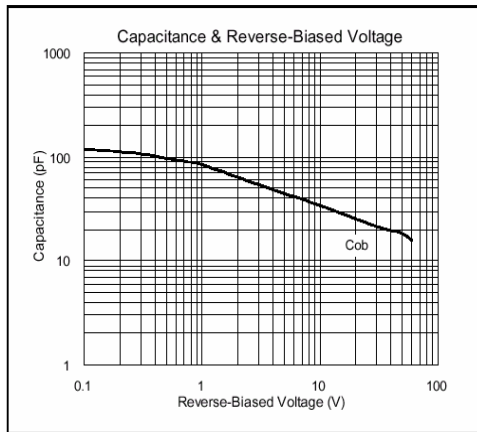
\* Pulse Test: Pulse Width ≤ 380μs, Duty Cycle ≤ 2%

#### Classification Of hFE2

Rank	Q	P	E
Range	100 - 200	160 - 320	250 - 500

## Characteristics Curve





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