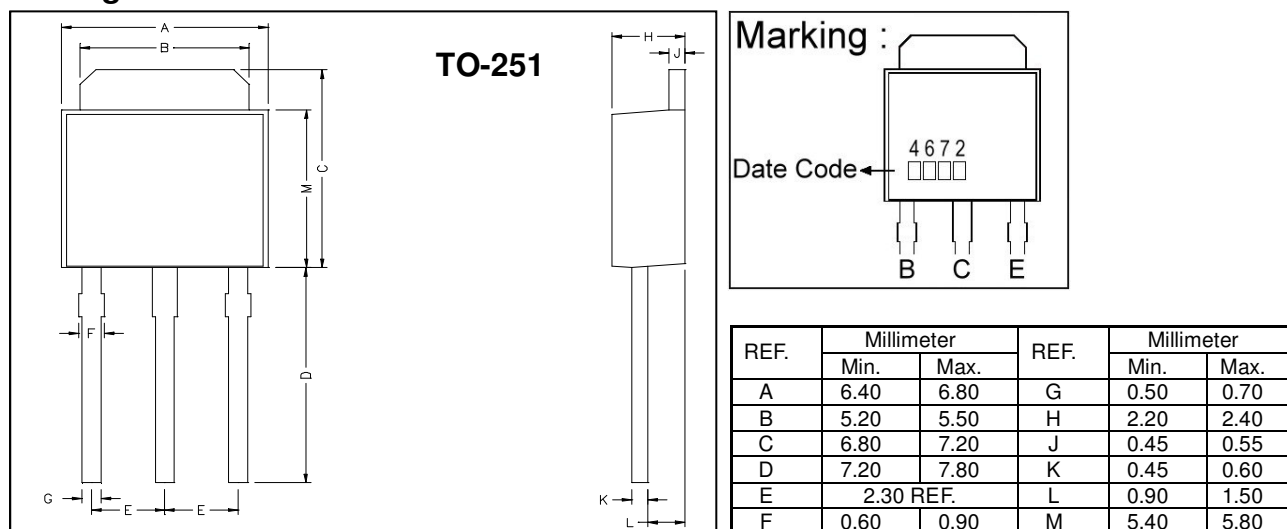


GI4672**NPN EPITAXIAL SILICON TRANSISTOR****Description**

The GI4672 is designed for low frequency amplifier applications.

Features

- Low saturation voltage, typically $V_{CE(sat)} = 0.1V$ at $I_C/I_B = 1A/50mA$
- Excellent DC current gain characteristics

Package Dimensions**Absolute Maximum Ratings (TA=25°C)**

Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	6	V
Collector Current (DC)	I_C	2	A
Collector Current (Pulse PW=10ms)	I_C	5	A
Total Device Dissipation (TA=25°C)	P_D	1.5	W
Total Device Dissipation (TC=25°C)	P_D	10	W
Junction Temperature	T_J	150	°C
Storage Temperature	T_{stg}	-55 ~ +150	°C

Electrical Characteristics (TA = 25°C unless otherwise noted)

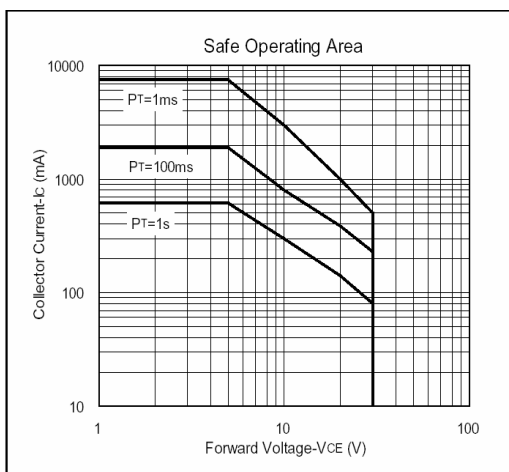
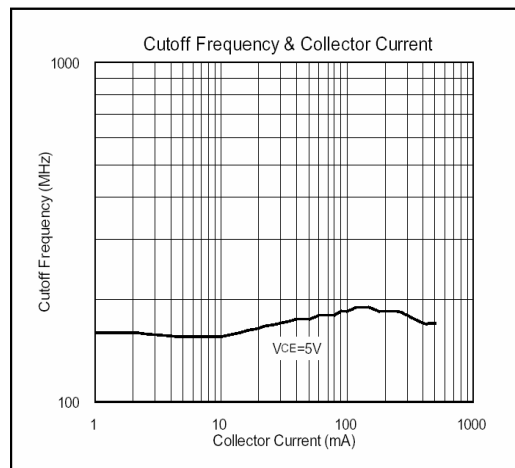
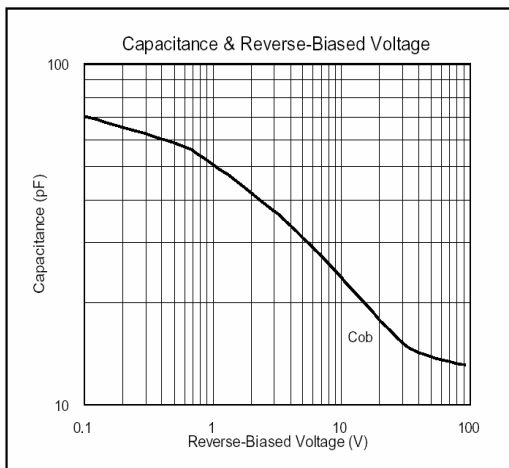
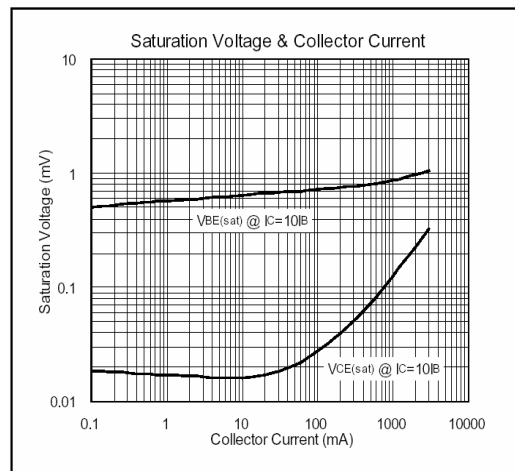
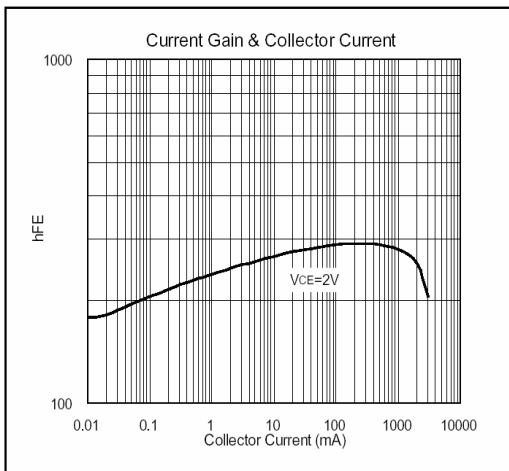
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V_{CBO}	60	-	-	V	$I_C=50\mu A, I_E=0$
V_{CEO}	50	-	-	V	$I_C=1mA, I_B=0$
V_{EBO}	6	-	-	V	$I_E=50\mu A, I_C=0$
I_{CBO}	-	-	100	nA	$V_{CB}=60V, I_E=0$
I_{EBO}	-	-	100	nA	$V_{EB}=5V, I_C=0$
* $V_{CE(sat)}$	-	0.1	0.35	V	$I_C=1A, I_B=50mA$
* h_{FE}	120	-	400		$V_{CE}=2V, I_C=500mA$
f_T	-	210	-	MHz	$V_{CE}=2V, I_E=500mA, f=100MHz$
C_{ob}	-	25	-	pF	$V_{CB}=10V, I_E=0, f=1MHz$

*Pulse Test: Pulse Width $\leq 380\mu s$, Duty Cycle $\leq 2\%$

Classification Of hFE

Rank	A	B
Range	120 ~ 240	200 ~ 400

Characteristics Curve



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Head Office And Factory:

- **Taiwan:** No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
- TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China:** (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
- TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165