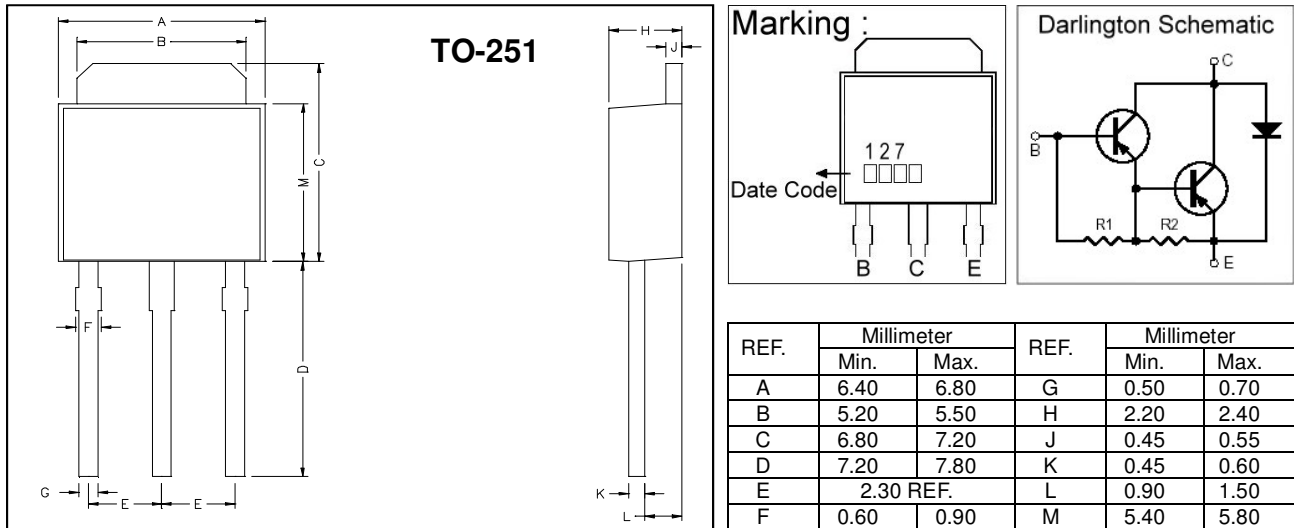


GI127**PNP EPITAXIAL PLANAR TRANSISTOR****Description**

The GI127 is designed for use in general purposes and low speed switching applications.

Features

- High DC current gain
- Built-in a damper diode at E-C

Package Dimensions**Absolute Maximum Ratings at Ta = 25°C**

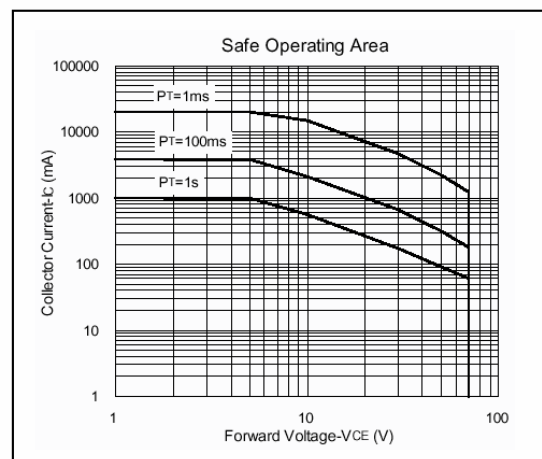
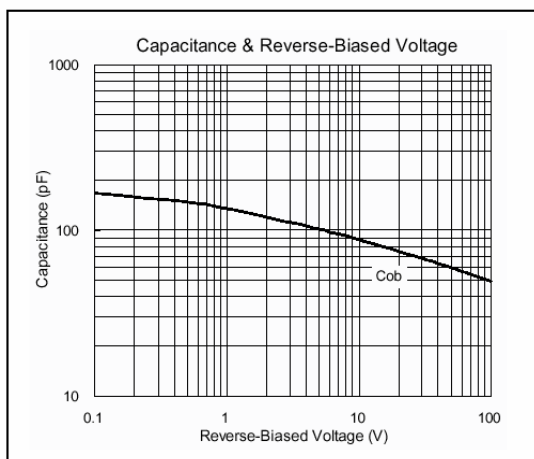
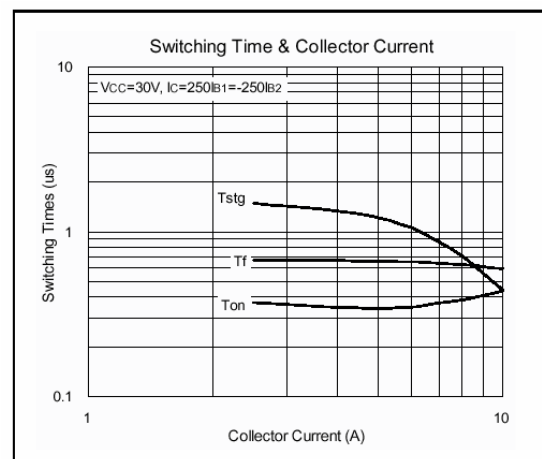
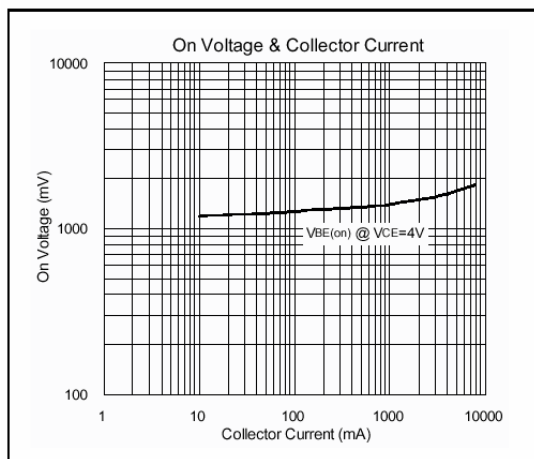
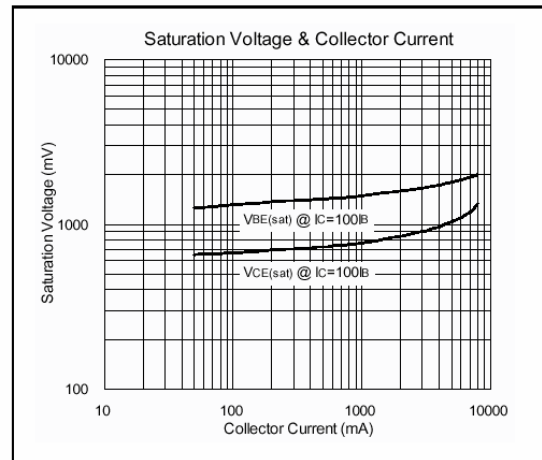
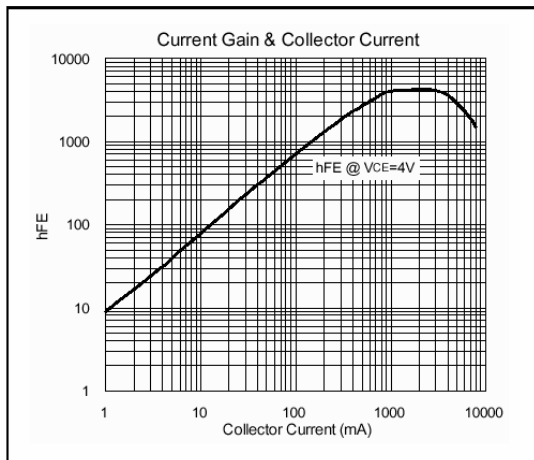
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	BVCBO	-100	V
Collector to Emitter Voltage	BVCEO	-100	V
Emitter to Base Voltage	BVEBO	-5	V
Collector Current	IC	-5	A
Total Power Dissipation(Tc=25°C)	PD	20	W

Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-100	-	-	V	IC=-1mA, IE=0
BVCEO	-100	-	-	V	IC=-30mA, IB=0
BVEBO	-5	-	-	V	IE=-1mA, IC=0
ICBO	-	-	-10	μA	VCE=-100V, IE=0
ICEX	-	-	-10	μA	VCE=-100V, VBE(off)=-1.5V
IEBO	-	-	-2	mA	VEB=-5V, IC=0
*VCE(sat)1	-	-	-2	V	IC=-3A, IB=-12mA
*VCE(sat)2	-	-	-4	V	IC=-5A, IB=-20mA
*VBE(sat)	-	-	-4	V	IC=-5A, IB=-50mA
*VBE(on)	-	-	-2.8	V	VCE=-3V, IC=-3A
*hFE1	1	-	-	K	VCE=-3V, IC=-500mA
*hFE2	1	-	-	K	VCE=-3V, IC=-3A
Cob	-	-	300	pF	VCE=-10V, f=0.1MHz

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

Characteristics Curve



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