

GL3904

NPN EPITAXIAL PLANAR TRANSISTOR

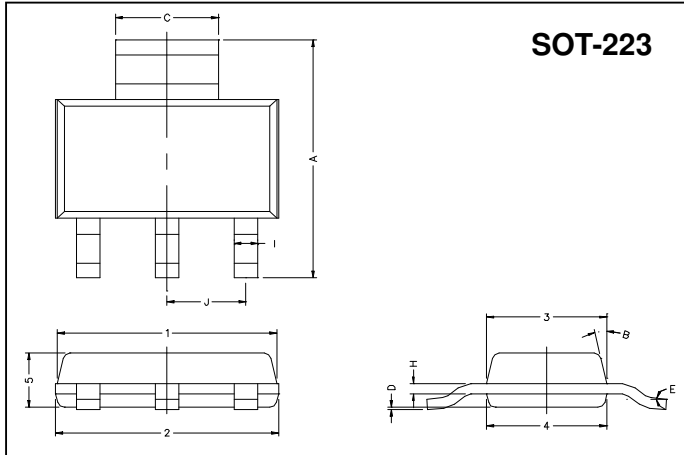
Description

The GL3904 is designed for general purpose switching and amplifier applications.

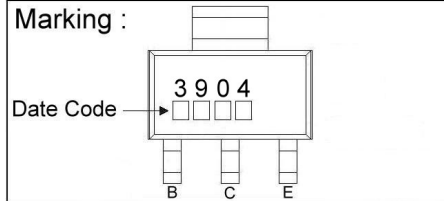
Features

- Collector-Emitter Voltage: VCEO=40V
- Complementary to GL3906

Package Dimensions



Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.70	7.30	B	13 TYP.	
C	2.90	3.10	J	2.30 REF.	
D	0.02	0.10	1	6.30	6.70
E	0°	10°	2	6.30	6.70
I	0.60	0.80	3	3.30	3.70
H	0.25	0.35	4	3.30	3.70
			5	1.40	1.80

Absolute Maximum Ratings (Ta = 25°C, unless otherwise specified)

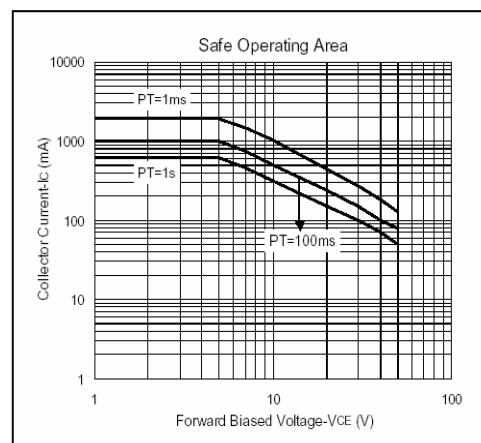
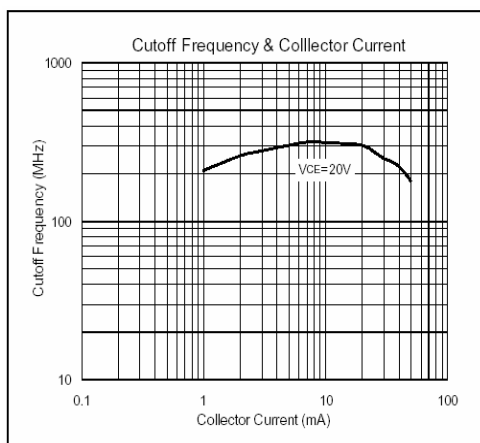
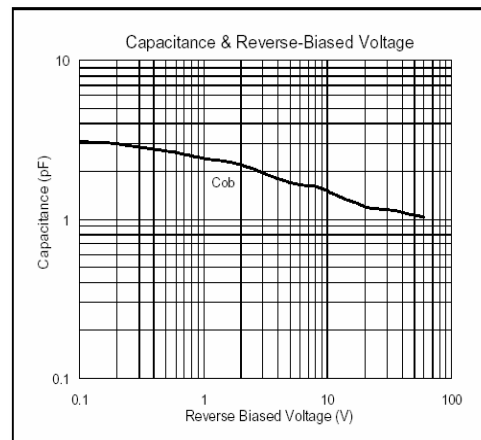
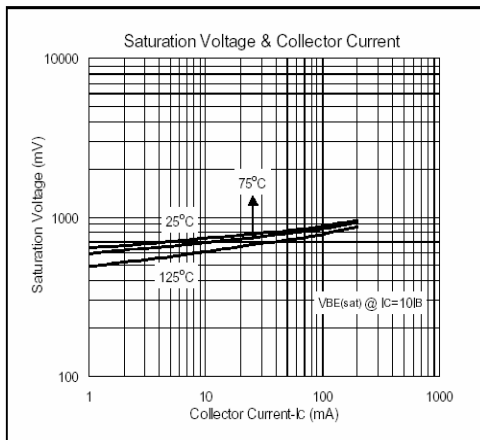
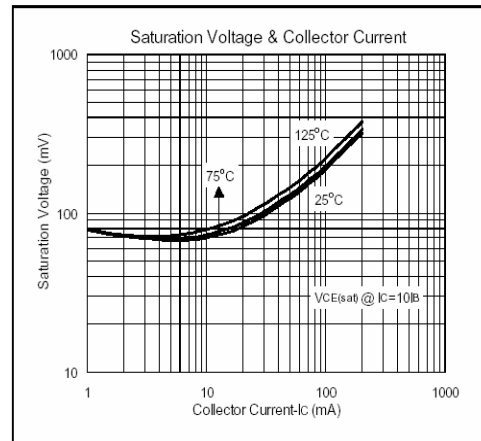
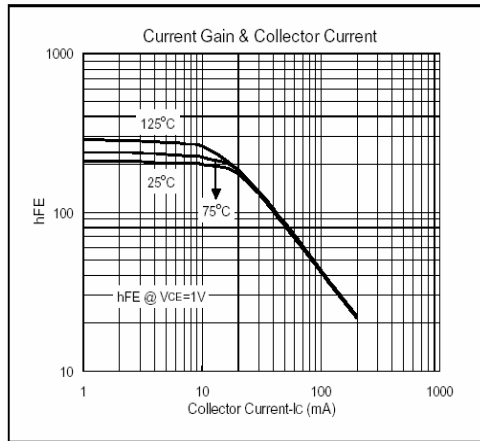
Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	VCBO	60	V
Collector to Emitter Voltage	VCEO	40	V
Emitter to Base Voltage	VEBO	6	V
Collect Current(DC)	IC	200	mA
Junction Temperature	Tj	+150	°C
Storage Temperature Range	TSTG	-55 ~ +150	°C
Total Power Dissipation	PD	1.5	W

Electrical Characteristics(Ta = 25°C, unless otherwise specified)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	60	-	-	V	IC=10uA, IE=0
BVCEO	40	-	-	V	IC=1mA, IB=0
BVEBO	6	-	-	V	IE=10uA, IC=0
ICEX	-	-	50	nA	VCE=30V, VBE=3V
*VCE(sat)1	-	-	200	mV	IC=10mA, IB=1mA
*VCE(sat)2	-	-	300	mV	IC=50mA, IB=5mA
*VBE(sat)1	650	-	850	mV	IC=10mA, IB=1mA
*VBE(sat)2	-	-	950	mV	IC=50mA, IB=5mA
*hFE1	40	-	-		VCE=1V, IC=0.1mA
*hFE2	70	-	-		VCE=1V, IC=1mA
*hFE3	100	-	300		VCE=1V, IC=10mA
*hFE4	60	-	-		VCE=1V, IC=50mA
*hFE5	30	-	-		VCE=1V, IC=100mA
fT	300	-	-	MHZ	VCE=20V, IC=10mA, f=100MHz
Cob	-	-	4	pF	VCB=5V, IE=0, f=1MHz

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

Characteristics Curve



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