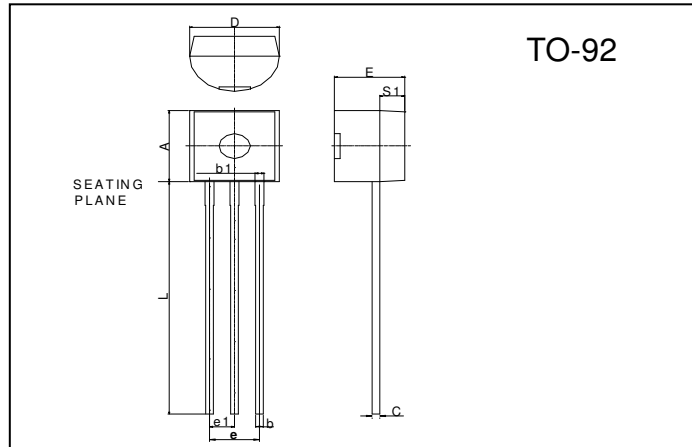
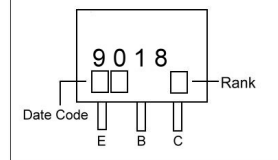


G9018**NPN EPITAXIAL PLANAR TRANSISTOR****Description**

The G9018 is designed for use in AM/FM amplifier and local oscillator of FM/VHF tuner.

Package Dimensions**Marking :**

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.45	4.7	D	4.44	4.7
S1	1.02	-	E	3.30	3.81
b	0.36	0.51	L	12.70	-
b1	0.36	0.76	e1	1.150	1.390
C	0.36	0.51	e	2.42	2.66

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	+150	°C
Storage Temperature	T _{stg}	-55 ~ +150	°C
Collector to Base Voltage	VCBO	30	V
Collector to Emitter Voltage	VCEO	15	V
Emitter to Base Voltage	VEBO	5	V
Collector Current	I _C	50	mA
Total Power Dissipation	PD	400	mW

Characteristics at Ta = 25°C

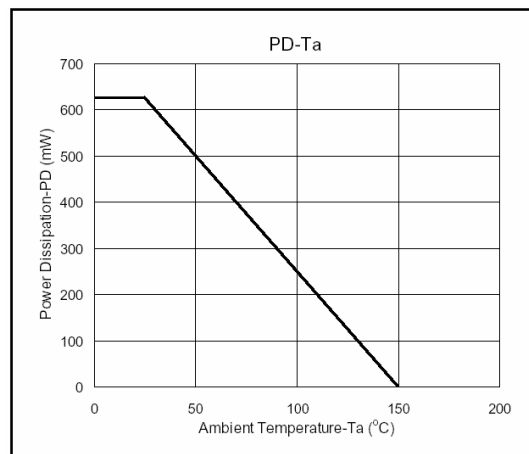
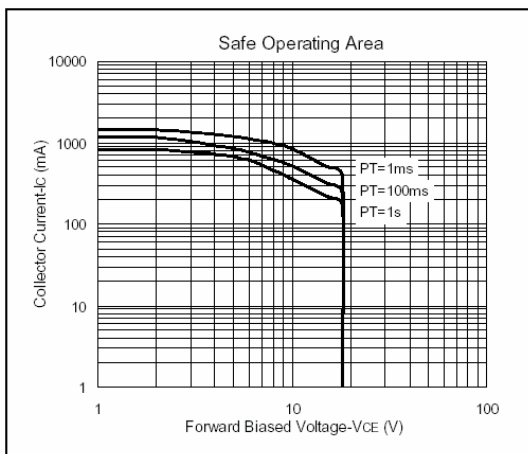
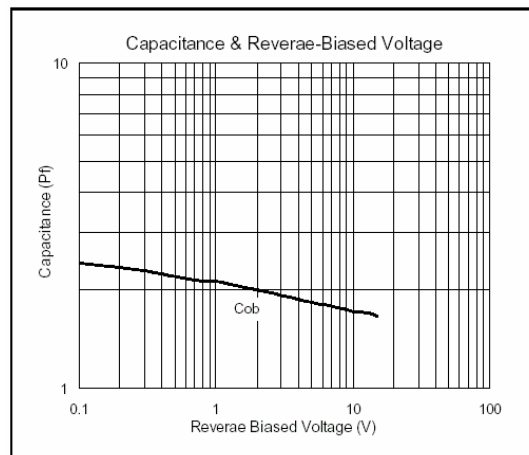
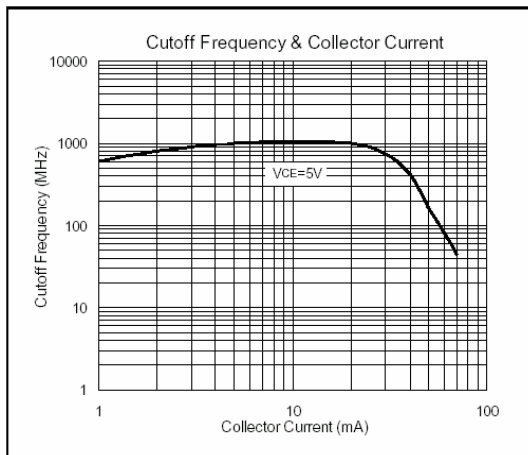
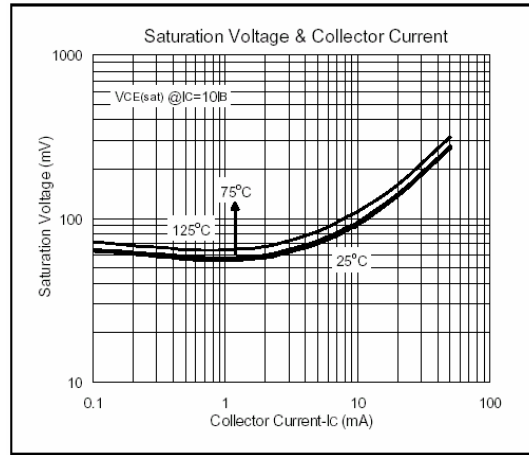
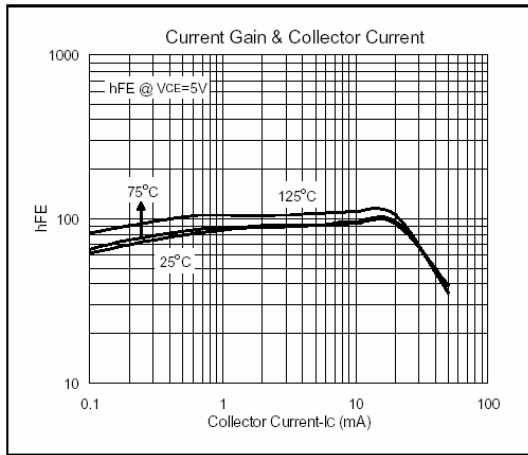
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	30	-	-	V	I _C =100μA, I _E =0
BVCEO	15	-	-	V	I _C =1mA, I _B =0
BVEBO	5	-	-	V	I _E =100μA, I _C =0
ICBO	-	-	50	nA	V _{CB} =12V, I _E =0
*VCE(sat)	-	-	0.5	V	I _C =10mA, I _B =1mA
*hFE	39	-	198		V _{CE} =5V, I _C =1mA
f _T	700	1100	-	MHz	V _{CE} =5V, I _C =5mA
Cob	-	1.3	1.7	pF	V _{CB} =10V, I _E =0

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

Classification Of hFE

Rank	E	F	G	H	I
hFE	39 - 60	54 - 80	72 - 108	97 - 146	132 - 198

Characteristics Curve



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