

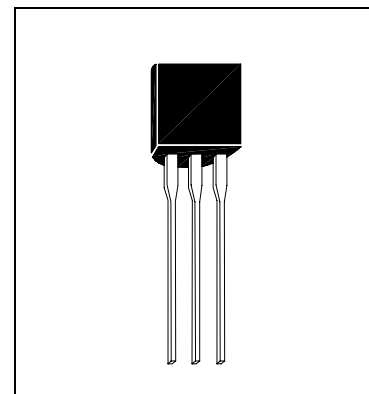


2SA733

PNP EPITAXIAL PLANAR TRANSISTOR

Description

The 2SA733 is designed for use in driver stage of AF amplifier applications..



Absolute Maximum Ratings

- Maximum Temperatures
Storage Temperature -55~+150°C
Junction Temperature +150°C Maximum
- Maximum Power Dissipation
Total Power Dissipation (Ta=25°C) 250 mW
- Maximum Voltages and Currents (Ta=25°C)
VCBO Collector to Base Voltage 60 V
VCEO Collector to Emitter Voltage 50 V
VEBO Emitter to Base Voltage 5 V
IC Collector Current 100 mA
IB Base Current 20 mA

Characteristics (Ta=25°C)

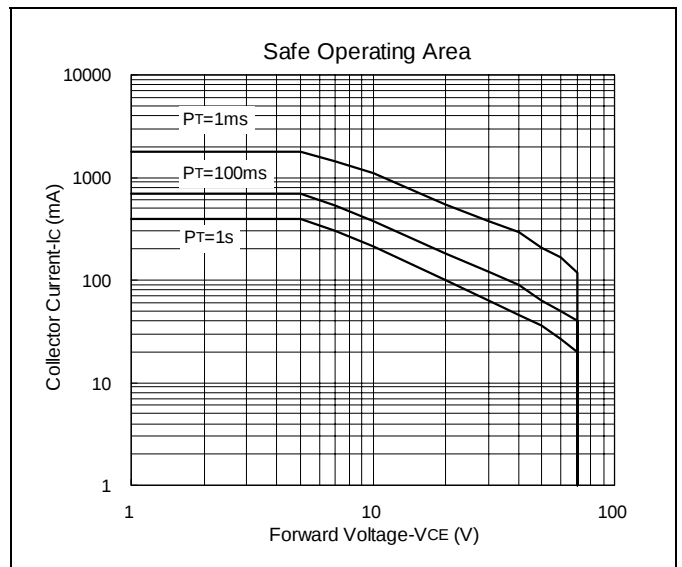
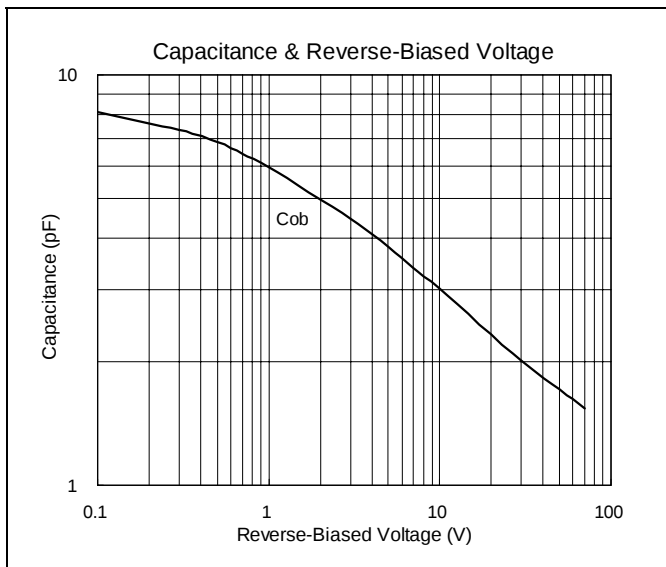
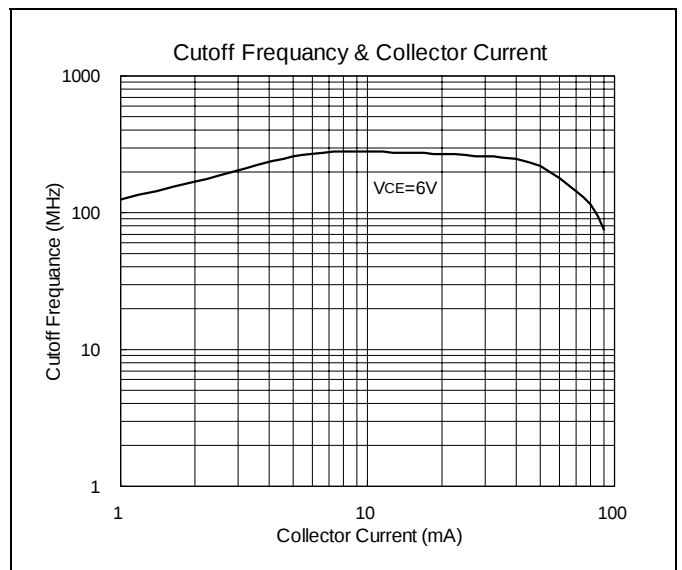
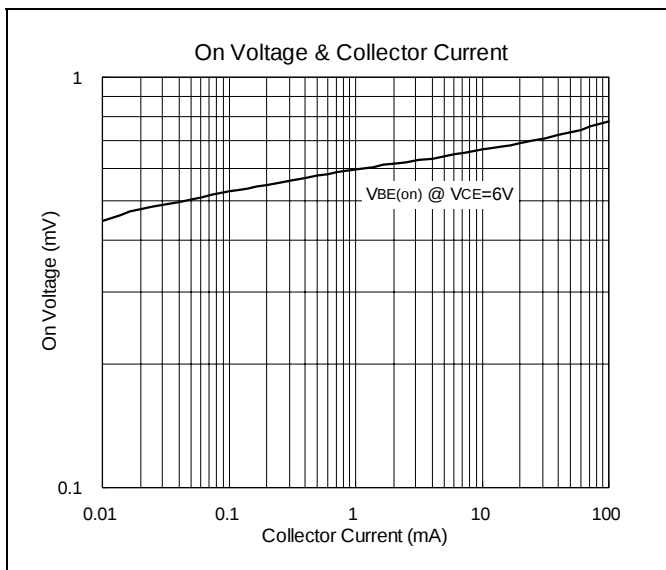
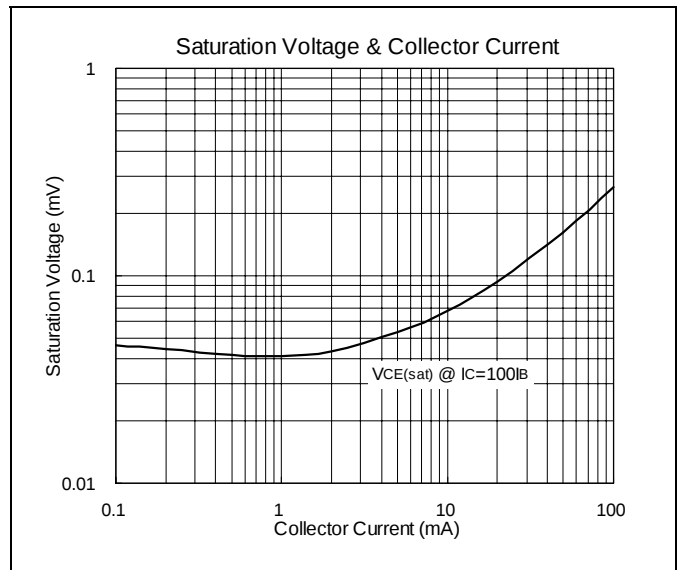
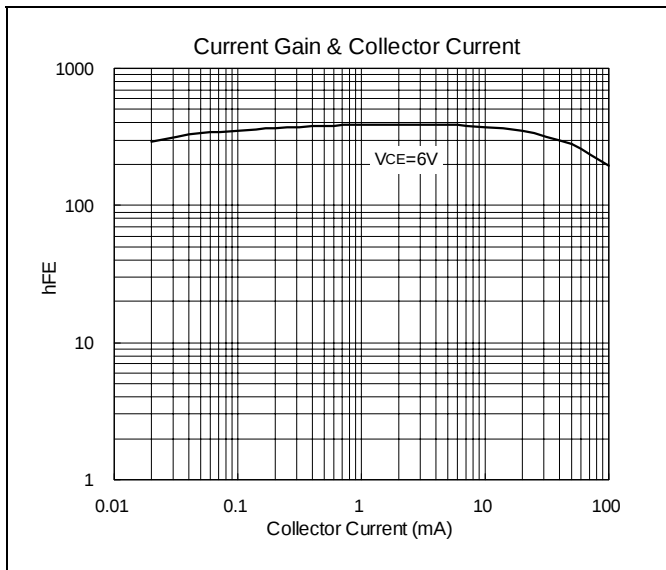
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	60	-	-	V	IC=100uA, IE=0
BVCEO	50	-	-	V	IC=1mA, IB=0
BVEBO	5	-	-	V	IE=10uA, IC=0
ICBO	-	-	0.1	uA	VCB=60V, IE=0
IEBO	-	-	0.1	uA	VEB=5V, IC=0
VCE(sat)	-	0.18	0.3	V	IC=100mA, IB=10mA
VBE(on)	0.55	0.62	0.7	V	VCE=6V, IC=1mA
hFE	90	200	600		VCE=6V, IC=1mA
fT	100	180	-	MHz	VCE=6V, IC=10mA
Cob	-	4.5	6	pF	VCB=10V, f=1MHz, IE=0

Classification Of hFE1

Rank	R	Q	P	K
Range	90-180	135-270	200-400	300-600

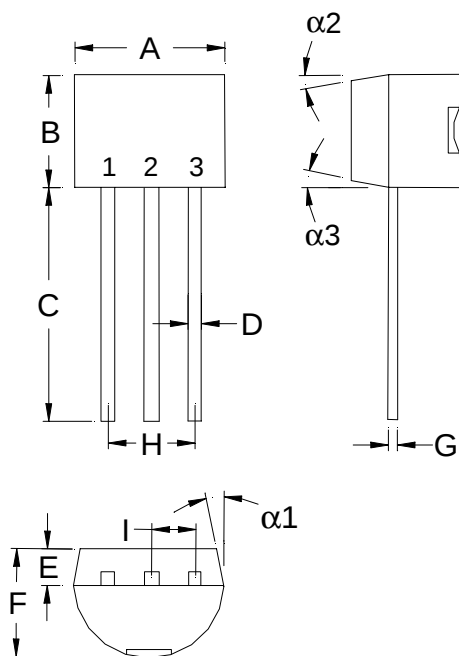


Characteristics Curve





TO-92 Dimension



3-Lead TO-92 Plastic Package
TGS Package Code : A

*:Typical

DIM	Inches		Millimeters		DIM	Inches		Millimeters	
	Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
A	0.1704	0.1902	4.33	4.83	G	0.0142	0.0220	0.36	0.56
B	0.1704	0.1902	4.33	4.83	H	-	*0.1000	-	*2.54
C	0.5000	-	12.70	-	I	-	*0.0500	-	*1.27
D	0.0142	0.0220	0.36	0.56	α1	-	*5°	-	*5°
E	-	*0.0500	-	*1.27	α2	-	*2°	-	*2°
F	0.1323	0.1480	3.36	3.76	α3	-	*2°	-	*2°