



**2SA733-R
2SA733-Q
2SA733-P
2SA733-K**

Features

- Capable of 0.25Watts of Power Dissipation.
- Collector-current 0.1A
- Collector-base Voltage 60V
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P" Suffix designates Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C = -1.0\text{mA}$, $I_B = 0$)	-50	---	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C = -5.0\mu\text{A}$, $I_E = 0$)	-60	---	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E = -50\mu\text{A}$, $I_C = 0$)	-5.0	---	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB} = -60\text{Vdc}$, $I_E = 0$)	---	---	-0.1	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB} = -5.0\text{Vdc}$, $I_C = 0$)	---	---	-0.1	μA

ON CHARACTERISTICS

h_{FE}	DC Current Gain ($I_C = -1.0\text{mA}$, $V_{CE} = -6.0\text{Vdc}$)	90	200	600	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C = -100\text{mA}$, $I_B = -10\text{mA}$)	---	-0.18	-0.3	Vdc

SMALL-SIGNAL CHARACTERISTICS

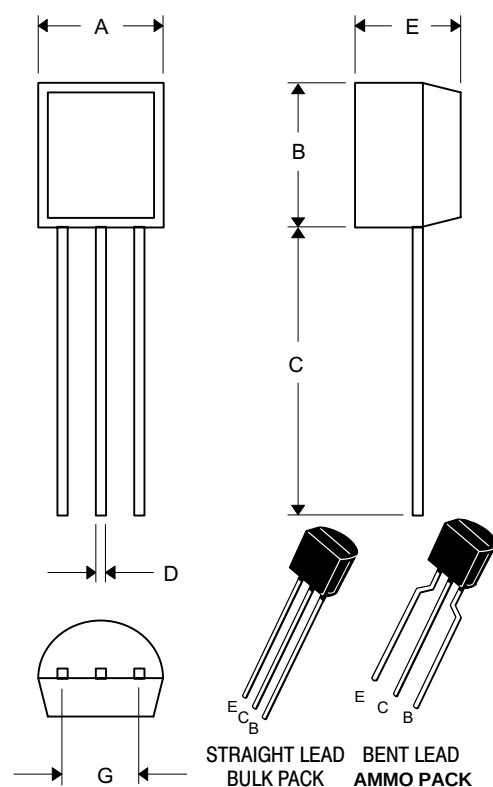
f_T	Transistor Frequency ($I_C = 10\text{mA}$, $V_{CE} = -6.0\text{Vdc}$)	100	---	---	MHz
C_{ob}	Collector output capacitance ($V_{CB} = -10\text{Vdc}$, $I_E = 0$, $f = 1\text{MHz}$)	---	---	6	pF
NF	Noise figure ($V_{CE} = -6\text{Vdc}$, $I_C = -0.3\text{mA}$, ($R_g = 10\text{k}\Omega$, $f = 100\text{Hz}$)	---	---	20	dB

CLASSIFICATION OF h_{FE}

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

PNP Silicon Plastic-Encapsulate Transistor

TO-92



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	---	12.70	---	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
	.173	.220	4.40	5.60	Bent Lead

* For ammo packing detailed specification, click here to visit our website of product packaging for details.

Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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