Micro Commercial Components
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2SA733-R
2SA733-Q
2SA733-P
2SA733-K

PNP Silicon Plastic-Encapsulate Transistor

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
- Moisure Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

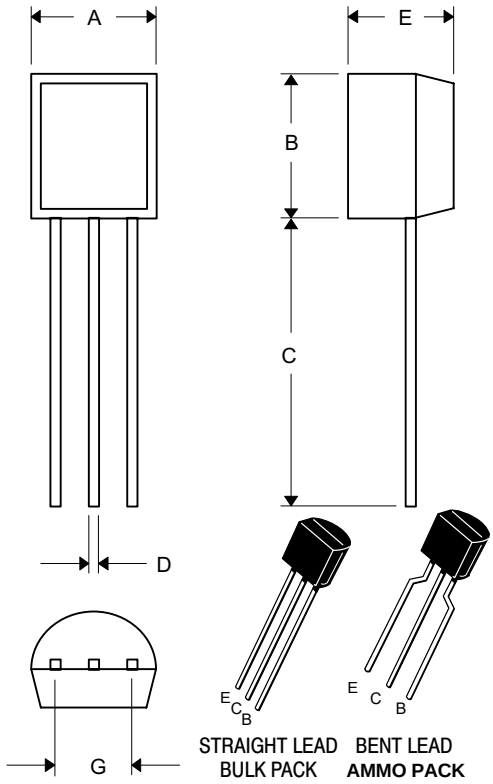
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
OFF CHARACTERISTICS					
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I_C=-1.0mAdc, I_B=0)	-50	---	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I_C=-5.0μAdc, I_E=0)	-60	---	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I_E=-50μAdc, I_C=0)	-5.0	---	---	Vdc
I_{CBO}	Collector Cutoff Current (V_{CB}=-60Vdc, I_E=0)	---	---	-0.1	μAdc
I_{EBO}	Emitter Cutoff Current (V_{EB}=-5.0Vdc, I_C=0)	---	---	-0.1	μAdc
ON CHARACTERISTICS					
h_{FE}	DC Current Gain (I_C=-1.0mAdc, V_{CE}=-6.0Vdc)	90	200	600	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (I_C=-100mAdc, I_B=-10mAdc)	---	-0.18	-0.3	Vdc
SMALL-SIGNAL CHARACTERISTICS					
f_T	Transistor Frequency (I_C=10mAdc, V_{CE}=-6.0Vdc)	100	---	---	MHz
C_{ob}	Collector output capacitance (V_{CB}=-10Vdc, I_E=0,f=1MHz)	---	---	6	pF
NF	Noise figure (V_{CE}=-6Vdc, I_C=-03mAdc,) (Rg=10kΩ,f=100HZ)	---	---	20	dB

CLASSIFICATION OF $h_{FE(1)}$

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

TO-92



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
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.

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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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