



Micro Commercial Components



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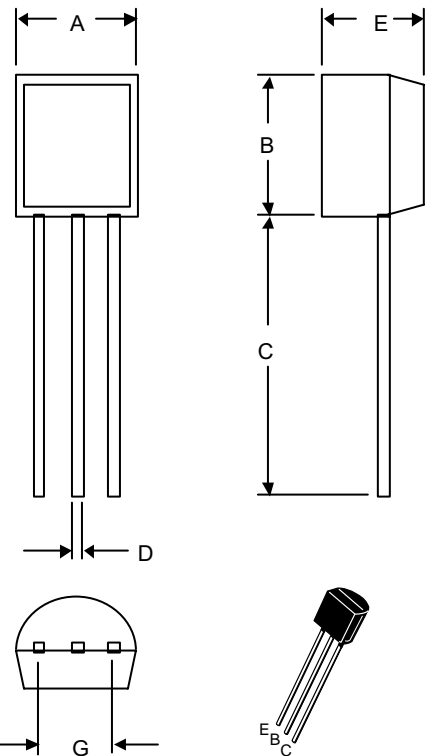
2SA733-R
2SA733-Q
2SA733-P
2SA733-K

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)

**PNP Silicon
 Plastic-Encapsulate
 Transistor**

TO-92



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

ON CHARACTERISTICS

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

SMALL-SIGNAL CHARACTERISTICS

f_T	Transistor Frequency ($I_C=10mA$, $V_{CE}=6.0Vdc$, $f=30MHz$)	100	180	---	MHz
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CLASSIFICATION OF h_{FE}

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

DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.170	.190	4.33	4.83	
B	.170	.190	4.30	4.83	
C	.550	.590	13.97	14.97	
D	.010	.020	0.36	0.56	
E	.130	.160	3.30	3.96	
G	.010	.104	2.44	2.64	



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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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