Micro Commercial Components
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2SA1943

PNP Silicon Power Transistors

Features

- Silicon PNP triple diffused type
- Complementary to 2SC5200
- Recommended for 100W high fidelity audio frequency amplifier output stage

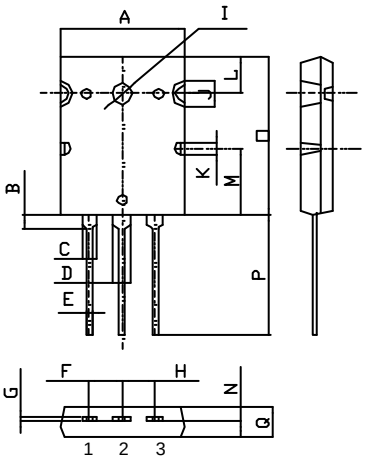
Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	230	V
V_{CBO}	Collector-Base Voltage	230	V
V_{EBO}	Emitter-Base Voltage	5.0	V
I_C	Collector Current	15	A
P_C	Collector power dissipation	150	W
T_J	Junction Temperature	-55 to +150	^{0}C
T_{STG}	Storage Temperature	-55 to +150	^{0}C

Electrical Characteristics @ 25^{0}C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I_C=50mAdc, I_B=0)	230	---	Vdc
I_{CBO}	Collector-Base Cutoff Current (V_{CB}=230Vdc,I_E=0)	---	5.0	uAdc
I_{EBO}	Emitter-Base Cutoff Current (V_{EB}=5.0Vdc, I_C=0)	---	5.0	uAdc
ON CHARACTERISTICS				
h_{FE-1}	Forward Current Transfer ratio (I_C=1.0Adc, V_{CE}=5.0Vdc)	55	160	---
h_{FE-2}	Forward Current Transfer ratio (I_C=7.0Adc, V_{CE}=5.0Vdc)	35	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (I_C=8.0Adc, I_B=0.8Adc)	---	3.0	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage (I_C=7.0Adc,V_{CE}=5.0Vdc)	---	1.5	Vdc

TO-3PL



PIN 1. BASE
PIN 2. COLLECTOR (HEAT SINK)
PIN 3. EMITTER

DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	---	.807	---	20.50	
B	.098		2.50		
C	.098		2.50		
D	.118		3.00		
E	.039	.051	.75	1.30	
F	.209	.220	5.30	5.60	
G	.020	.033	.50	.85	
H	.209	.220	5.30	5.60	
I	.126	.142	3.20	3.60	∅
J	.157		4.00		
K	.079		2.00		
L	.236		6.00		
M	.433		11.00		
N	.110		2.80		
O	1.004	1.043	25.50	26.50	
P	.764	.811	19.40	20.60	
Q	---	.205	---	5.20	