



Micro Commercial Components



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B772-R
B772-O
B772-Y
B772-GR

Features

- Capable of 1.25Watts of Power Dissipation.
- Collector-current 3.0A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: -55°C to +150°C
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=-10\text{mA}$, $I_B=0$)	-30	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=-100\mu\text{A}$, $I_E=0$)	-40	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=-100\mu\text{A}$, $I_C=0$)	-6.0	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=-40\text{Vdc}$, $I_E=0$)	---	-1.0	μA
I_{CEO}	Collector Cutoff Current ($V_{CE}=-30\text{Vdc}$, $I_B=0$)	---	-10	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB}=-6.0\text{Vdc}$, $I_C=0$)	---	-1.0	μA

ON CHARACTERISTICS

$h_{FE(1)}$	DC Current Gain ($I_C=-1.0\text{A}$, $V_{CE}=-2.0\text{Vdc}$)	60	400	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=-2.0\text{A}$, $I_B=-0.2\text{A}$)	---	-0.5	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C=-2.0\text{A}$, $I_B=-0.2\text{A}$)	---	-1.5	Vdc

SMALL-SIGNAL CHARACTERISTICS

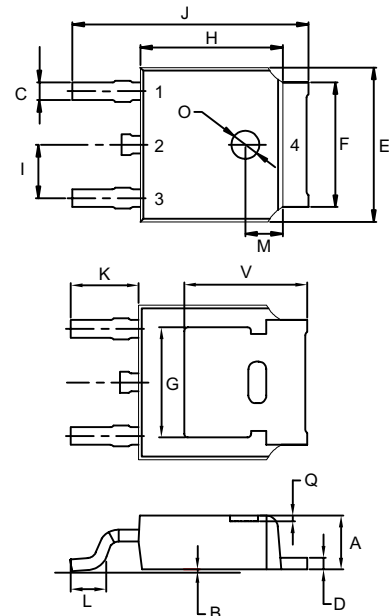
f_T	Transistor Frequency ($I_C=-0.1\text{A}$, $V_{CE}=-5.0\text{Vdc}$, $f=10\text{MHz}$)	50	---	MHz
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CLASSIFICATION OF $h_{FE(1)}$

Rank	R	O	Y	GR
Range	60-120	100-200	160-320	200-400

PNP Silicon
Plastic-Encapsulate
Transistor

DPAK



PIN 1. BASE
PIN 2.4 COLLECTOR
PIN 3. EMITTER

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.087	0.094	2.20	2.40	
B	0.000	0.005	0.00	0.13	
C	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
E	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		
H	0.236	0.244	6.00	6.20	
I	0.086	0.094	2.18	2.39	
J	0.386	0.409	9.80	10.40	
K	0.114		2.90		
L	0.055	0.067	1.40	1.70	
M	0.063		1.60		
O	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.211		5.35		



TM

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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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

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