



Micro Commercial Components
21201 Itasca Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

BU608

Features

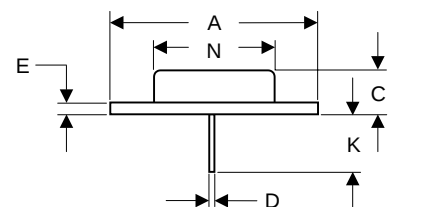
- With TO-3 package
- Horizontal deflection output stages of MTV receiver applications

NPN Silicon Power Transistors

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	200	V
V_{CBO}	Collector-Base Voltage	400	V
V_{EBO}	Emitter to Base Voltage	6.0	V
I_{CP}	Peak Collector Current	10	A
I_C	Collector Current	7.0	A
P_C	Collector power dissipation	90	W
T_J	Junction Temperature	-55 to +150	$^{\circ}\text{C}$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}\text{C}$

TO-3



PIN 1. BASE
PIN 2. EMITTER
CASE. COLLECTOR

Electrical Characteristics @ 25 $^{\circ}\text{C}$ Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
--------	-----------	-----	-----	-------

OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=1.0\text{mA}$, $I_B=0$)	200	---	Vdc
I_{CBO}	Collector-Base Cutoff Current ($V_{CB}=400\text{Vdc}$, $V_{BE}=1.5\text{Vdc}$)	---	5.0	mAdc
I_{EBO}	Emitter-Base Cutoff Current ($V_{EB}=6.0\text{Vdc}$, $I_C=0$)	---	1.0	mAdc

ON CHARACTERISTICS

$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=6.0\text{Adc}$, $I_B=1.2\text{Adc}$)	---	1.0	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C=6.0\text{Adc}$, $I_B=1.2\text{Adc}$)	---	1.5	Vdc

DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.550	REF	39.37	REF	
B	-----	1.050	-----	26.67	
C	.250	.335	6.35	8.51	
D	.038	.043	0.97	1.09	
E	0.55	0.70	1.40	1.77	
G	.430	BSC	10.92	BSC	
H	.215	BSC	5.46	BSC	
K	.440	.480	11.18	12.19	
L	.665	BSC	16.89	BSC	
N	-----	.830	-----	21.08	
Q	.151	.165	3.84	4.19	$\varnothing$
U	1.187	BSC	30.15	BSC	
V	.131	.188	3.33	4.77	