



Micro Commercial Components
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2SC2371

NPN Silicon Power Transistors

Features

- With TO-126 package
- Video applications

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	300	V
V_{CBO}	Collector-Base Voltage	300	V
V_{EBO}	Emitter-Base Voltage	7.0	V
I_C	Collector Current	0.1	A
P_C	Collector power dissipation	10	W
T_J	Junction Temperature	-55 to +150	$^{\circ}\text{C}$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}\text{C}$

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

Symbol	Parameter	Min	Max	Units
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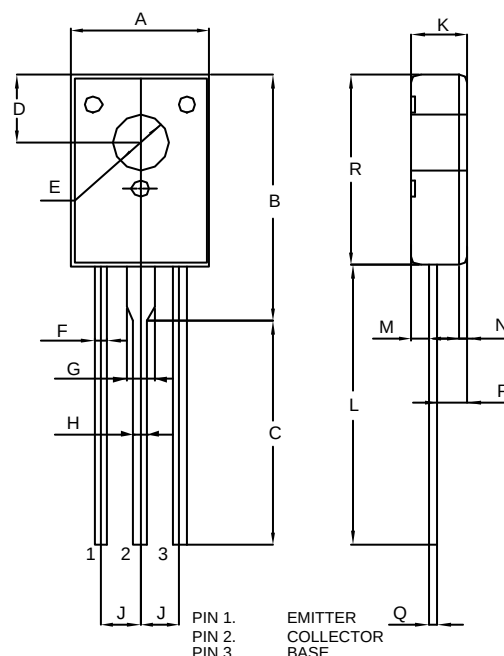
OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=1.0\text{mA}$, $I_B=0$)	300	---	Vdc
I_{CBO}	Collector-Base Cutoff Current ($V_{CB}=200\text{Vdc}$, $I_E=0$)	---	0.1	μA
I_{EBO}	Emitter-Base Cutoff Current ($V_{EB}=7.0\text{Vdc}$, $I_C=0$)	---	0.1	mA

ON CHARACTERISTICS

h_{FE}	Forward Current Transfer ratio ($I_C=10\text{mA}$, $V_{CE}=10\text{Vdc}$)	40	250	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=30\text{mA}$, $I_B=3.0\text{mA}$)	---	1.5	Vdc

TO-126



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.30	0.33	7.70	8.30	
B		0.56		14.20	
C	0.50	0.53	12.76	13.36	
D	0.15	0.16	3.80	4.0	
E	0.12	0.13	3.10	3.30	
F	0.025	0.033	0.65	0.85	
G	0.06	0.07	1.50	1.70	
H	0.025	0.033	0.65	0.85	
J	0.08	0.10	2.08	2.48	
K	0.12	0.14	3.05	3.45	
L	0.63	0.64	15.90	16.30	
M		0.04		1.0	
N		0.02		0.5	
P	0.06	0.08	1.55	1.95	
Q	0.018	0.023	0.45	0.60	
R	0.43	0.44	10.80	11.20	