

isc Silicon NPN Power Transistor

2SC3588

DESCRIPTION

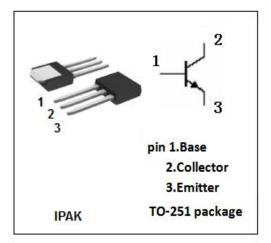
- Low Collector Saturation Voltage-V_{CE(sat)}= 0.5V(Max)@ I_C= 300mA
- High Collector-Emitter Breakdown Voltage-V_{(BR)CEO}= 400V(Min)
- Complement to Type 2SA1400
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

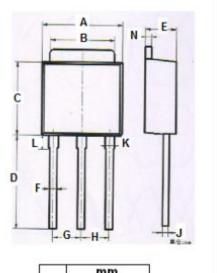
APPLICATIONS

Designed for high Voltage switching applications

SYMBOL	PARAMETER	NETER VALUE	
V _{CBO}	Collector-Base Voltage	500	V
Vceo	Collector-Emitter Voltage	400	V
V _{EBO}	Emitter-Base Voltage	7	V
lc	Collector Current-Continuous	0.5	A
Ісм	Collector Current-Pulse	1	A
Pc	Collector Power Dissipation @ $T_c=25^{\circ}C$	2	W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)





	mm	
DIM	MIN	MAX
A	6.40	6.48
В	5.10	5.50
С	5.80	6.20
D	9.20	9.60
E	2.20	2.40
F	0.50	0.70
G	2.09	2.49
Н	2.09	2.49
J	0.40	0.60
K	0.70	0.90
L	1.60	2.00
N	0.40	0.60

isc Website: www.iscsemi.cn

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ELECTRICAL CHARACTERISTICS

$T_{\text{c}}\text{=}25\,^\circ\!\!\!\mathbb{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 10mA ; I _B = 0	400			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 300mA; I _B = 60mA			0.5	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = 300mA; I _B = 60mA			1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = 400V; I _E = 0			10	μA
Іево	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			10	μA
h _{FE-1}	DC Current Gain	I _C = 50mA ; V _{CE} = 5V	20		80	
h _{FE-2}	DC Current Gain	I _C = 0.3A ; V _{CE} = 5V	10			

h_{FE} Classifications

м	L	к
20-40	30-60	40-80

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