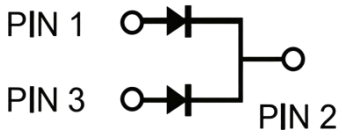
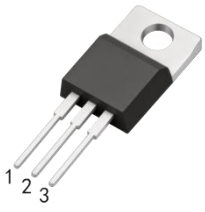
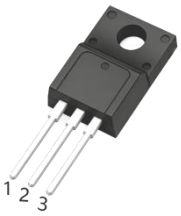
Low VF Schottky Barrier Rectifiers

Parameter	Value	Unit
V_{RRM}	80	V
$I_{F(AV)}$	30(15*2)	A





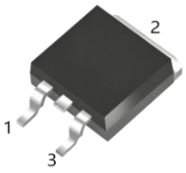
TO-220AB/CT



TO-220F/FCT

Features

- Low forward voltage
- High current capability
- High forward surge capability
- Low power losses, High efficiency
- Guarding for over voltage protection



TO-263/DC

Applications

- Power adapters
- Lighting equipment
- On-board DC/DC converters

Absolute Maximum Ratings(Per Leg) (Ta=25℃,unless otherwise noted)

Parameter		Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	80	V
Working Peak Reverse Voltage		V_{RWM}	80	V
Maximum DC Blocking Voltage		V_{DC}	80	V
Maximum Average Forward Rectified Current	Per Leg	$I_{F(AV)}$	15	A
	Total		30	
Peak Forward Surge Current,8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		I_{FSM}	260	A
Operating Temperature Range		T_J	-50 to +150	°C
Storage Temperature Range		T_{STG}	-50 to +150	°C
Typical Thermal Resistance TO-220AB,TO-263 TO-220F		$R_{\theta JC}$	 2.0 4.0	°C/W

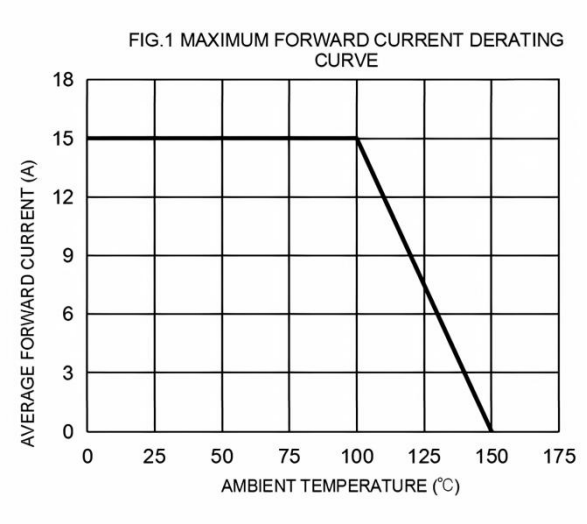
Note1: Thermal resistance from Junction to case per leg mounted on heatsink.

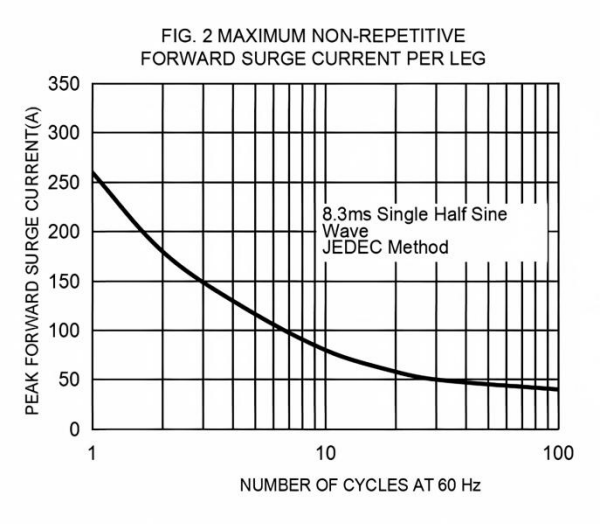
Electrical Characteristics (Per Leg) unless otherwise specified

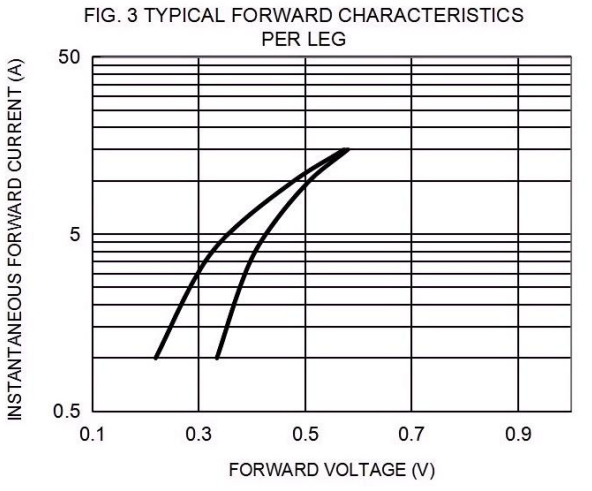
Parameter		Symbol	Value		Unit
Forward Voltage Drop(Note2)		V_F	Typ.	Max.	V
at I_F=15A	T_A=25℃		0.58	0.68	
	T_A=125℃		0.58	-	
Maximum Reverse Current at V_R=80V	T_A=25℃	I_R	50.75	70	μA
	T_A=125℃		16.6	-	mA

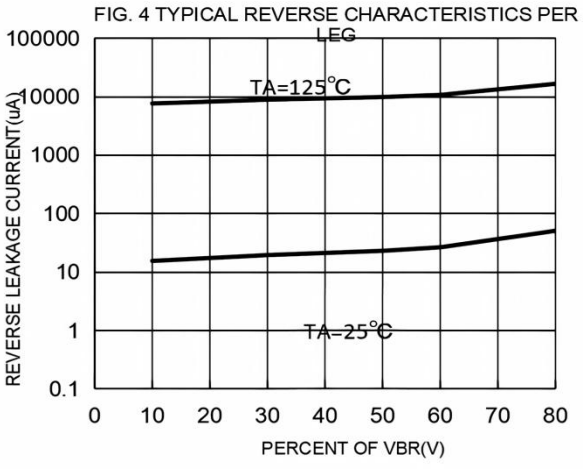
Note2:Pulse test: 300μs pulse width, 1% duty cycle

Typical Characteristics



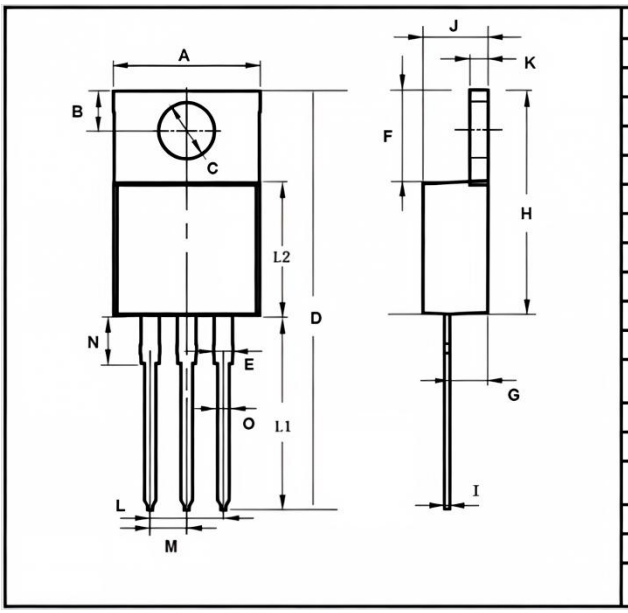






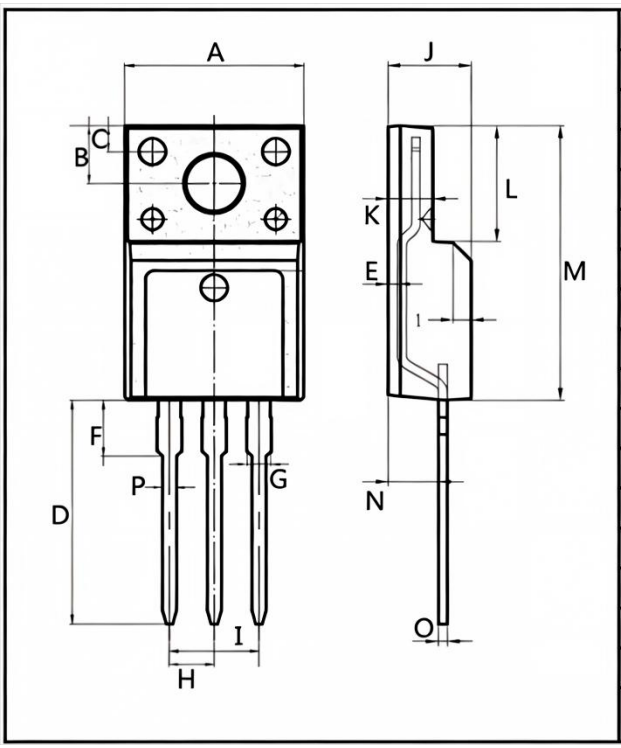
Package Outlines

TO-220AB



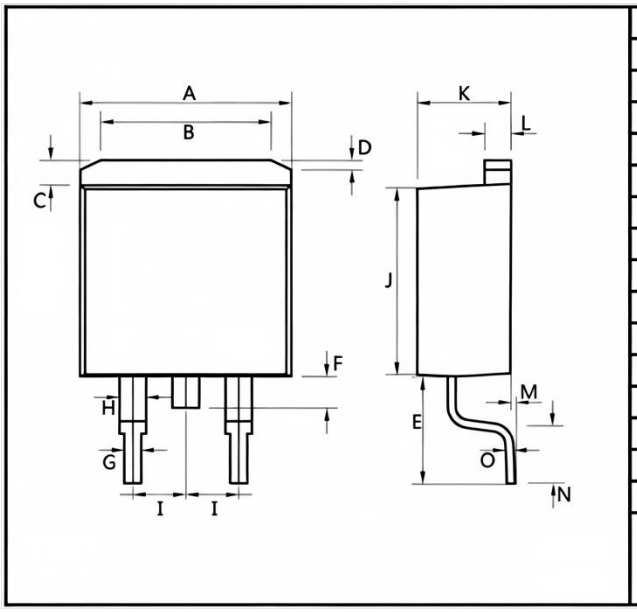
Dim.	Min.	Max.
A	10.15	10.35
B	2.50	2.95
C	3.70	3.90
D	28.5	29.5
E	1.20	1.40
F	6.20	6.55
G	2.85	3.25
H	15.0	16.0
I	0.35	0.42
J	4.3	4.55
K	1.2	1.4
L	Typ5.08	
L1	13	14
L2	8.5	9.5
M	Typ2.54	
N	2.8	3.5
O	0.70	0.90
Dimensions in mm		

TO-220F



Dim.	Min.	Max.
A	9.95	10.25
B	2.95	3.25
C	1.25	1.45
D	12.80	13.20
E	0.40	0.60
F	2.8	3.5
G	1.30	1.45
H	Typ 2.54	
I	Typ 5.08	
J	4.5	5.0
K	2.45	2. 65
L	6.5	6.8
M	15.4	16.0
N	2.75	3.05
O	0.45	0.55
P	0.70	0.90
Dimensions in mm		

TO-263



Dim.	Min.	Max.
A	10.10	10.35
B	6	8
C	1.2	1.5
D	0.55	1.0
E	4.3	5.3
F	1.4	1.6
G	0.75	0.85
H	1.2	1.5
I	Typ2.54	
J	8.5	9.5
K	4.3	4.55
L	1.25	1.35
M	0.02	0.23
N	2.2	2.8
O	0.3	0.4

Dimensions in mm

*Important Usage Information and Disclaimer

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