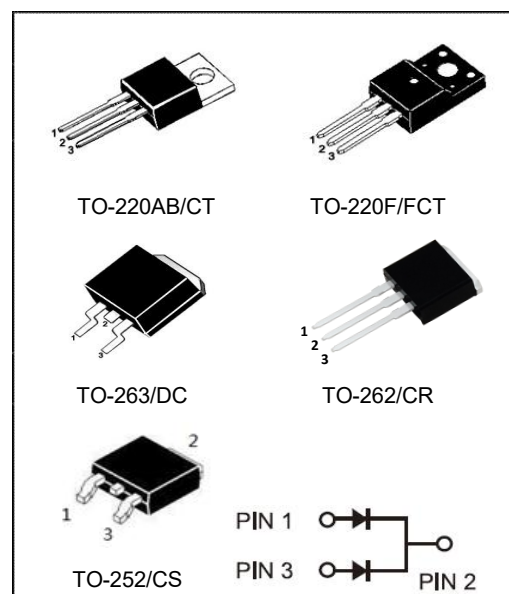


SCHOTTKY BARRIER RECTIFIER
Reverse Voltage - 100 V
Forward Current - 30 A
FEATURES

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

MECHANICAL DATA

- Case: Molded plastic
- Polarity: As marked
- Mounting Position: Any
- Molded Plastic: UL Flammability Classification Rating 94V-0
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Solder bath temperature 275°C maximum, 10s per JESD 22-B106


Primary Characteristic

I_o	2*15A
V_{RRM}	100V
I_{FSM}	350A
V_F	0.68V
T_J Max	150°C

Maximum Ratings (Per Leg) at Ta=25°C unless otherwise specified

Characteristics		Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	100	V
Working Peak Reverse Voltage		V _{RWM}	70	V
Maximum DC Blocking Voltage		V _{DC}	100	V
Maximum Average Forward Rectified Current	Per Leg	I _O	15	A
	Total		30	
Peak Forward Surge Current,8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		I _{FSM}	350	A
Operating Temperature Range		T _J	150	°C
Storage Temperature Range		T _{STG}	-40 to +150	°C
Typical Thermal Resistance (Note1)		R _{θJC}	2	°C/W
TO-220AB,TO-263,TO-220F			4	

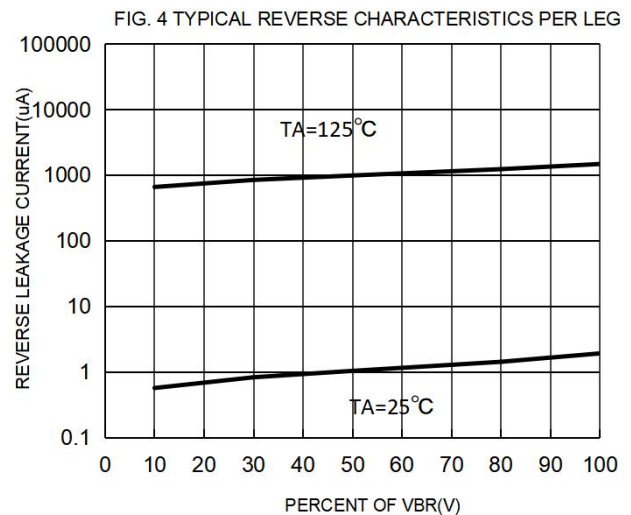
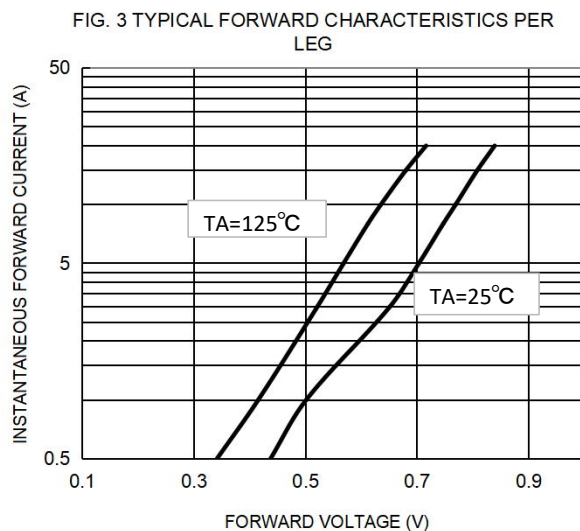
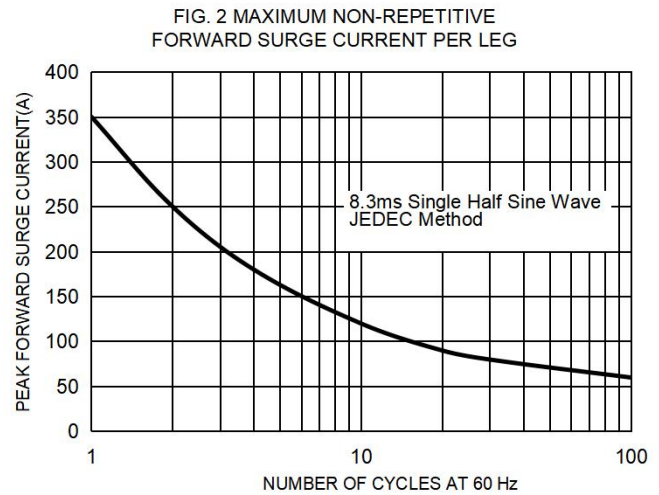
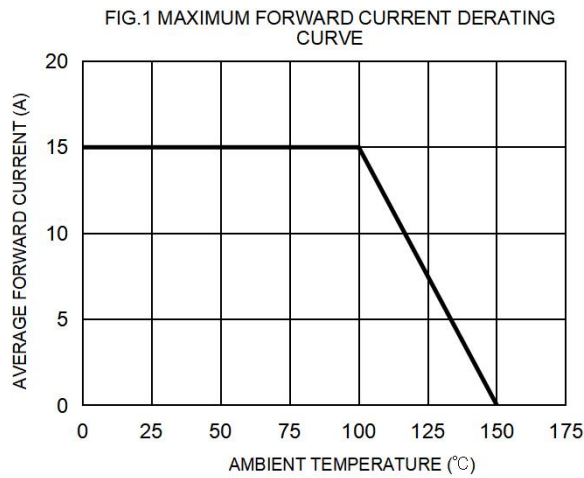
Note1: Thermal resistance from Junction to case per leg mounted on heatsink.

Electrical Characteristics (Per Leg) unless otherwise specified

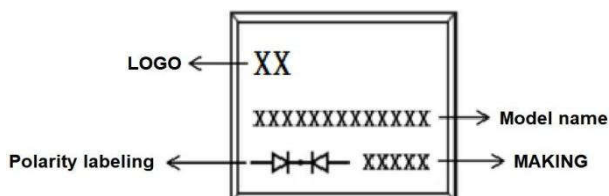
Characteristics		Symbol	Value		Unit
Forward Voltage Drop (Note2)		V _F	Typ.	Max.	V
at I _F =5A	TA=25°C		0.71	-	
	TA=125°C		0.57	-	
at I _F =10A	TA=25°C		0.77	0.85	
	TA=125°C		0.64	-	
at I _F =15A	TA=25°C		0.81	0.88	
	TA=125°C		0.68	-	
Maximum Reverse Current at V _R =100V	TA=25°C	I _R	0.6	10	μA
	TA=125°C		0.6	-	mA

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

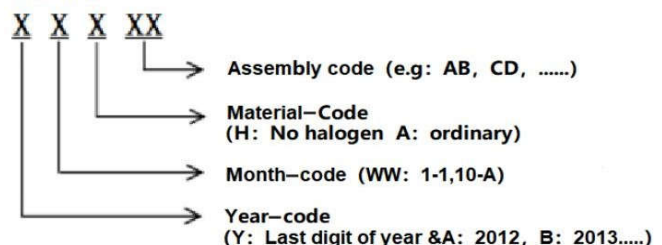
RATINGS AND CHARACTERISTIC CURVES



Marking on the body



MAKING:



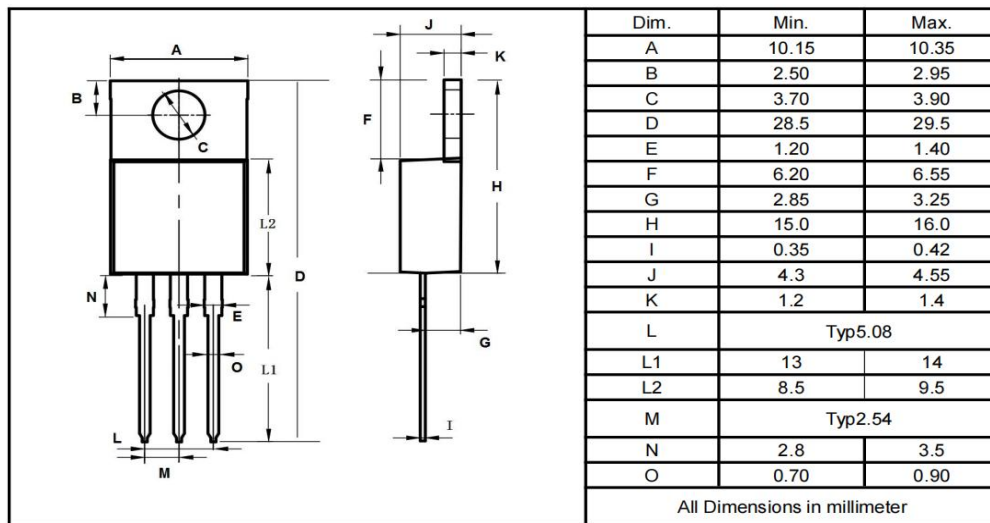
Ordering information

Part Number	Package	Unit Weight	Base Quantity	Delivery mode
MBR30100CT	TO-220AB	0.07oz(1.96g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MBR30100FCT	TO-220F	0.06oz(1.74g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MBR30100DC	TO-263	0.04oz(1.16g)	800 pcs / reel	1600pcs/box 8000pcs/carton
MBR30100CR	TO-262	0.04oz(1.16g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MBR30100CS	TO-252	0.011oz(0.32g)	2500 pcs / reel	5000pcs/box 25000pcs/carton

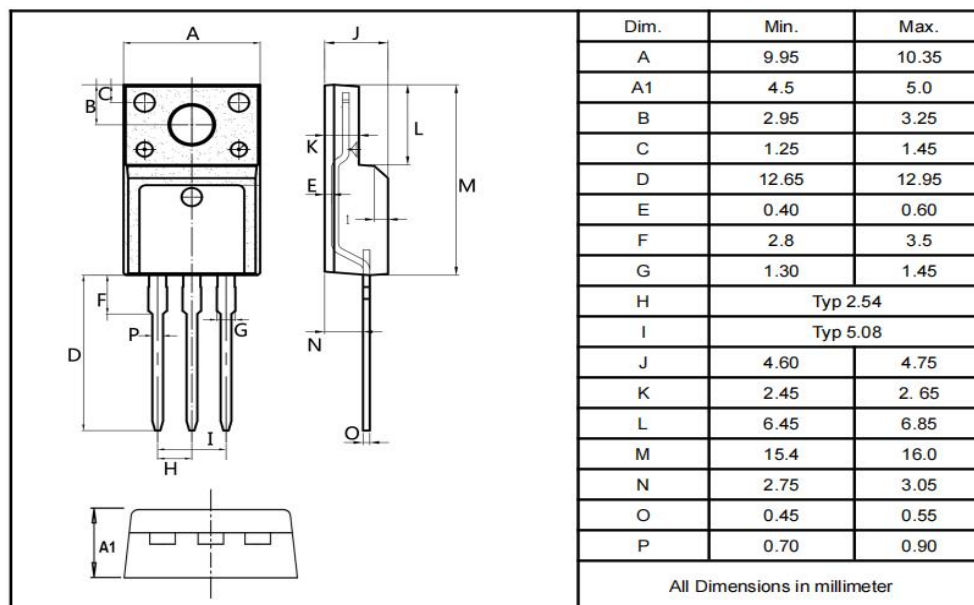
Note: For Halogen Free molding compound, add "H" suffix to part number above.

Package Outline Dimensions millimeters

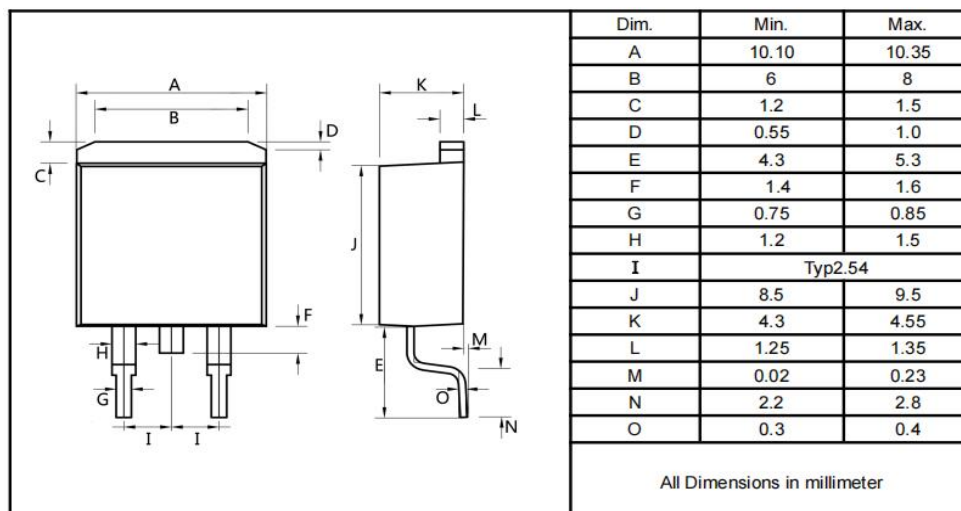
TO-220AB



TO-220F



TO-263



Package Outline Dimensions millimeters

TO-252

	Dim.	Min.	Max.
	A	2.1	2.5
	B	1.3	1.7
	C	0.4	0.6
	D	6.4	6.7
	D1	5.1	5.5
	E	5.5	6.0
	E1	Typ2.3	
	E2	Typ4.6	
	B1	0.6	0.8
	B2	0.75	0.95
	B3	0.35	0.45
	L1	10	11
	L2	1.4	1.6
	L3	0.75	0.95
All Dimensions in millimeter			

TO-262

	Dim.	Min.	Max.
	A	4.4	4.6
	A1	2.4	2.6
	B	0.75	0.85
	B1	1.2	1.4
	C	0.35	0.42
	C1	1.25	1.35
	D	8.5	9.5
	E	10.15	10.35
	H	23	25
	L	13	14
	L1	2.8	3.5
	L2	1.2	1.5
All Dimensions in millimeter			

单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)