

**LOW VF SCHOTTKY RECTIFIER**
**Reverse Voltage - 100 V**
**Forward Current - 20 A**
**FEATURES**

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

**APPLICATIONS**

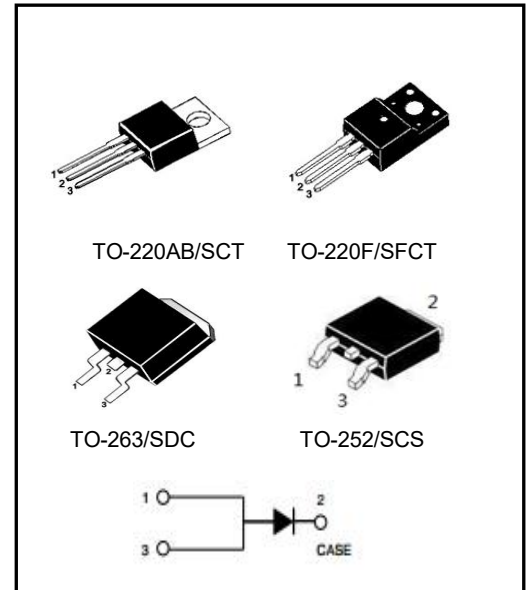
Low VF Schottky barrier rectifier are designed for high frequency, miniature switched mode power supplies such as adapters ,lighting and on-board DC/DC conerters

**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**

<b>I<sub>o</sub></b>	<b>20A</b>
<b>V<sub>RRM</sub></b>	<b>100V</b>
<b>I<sub>FSM</sub></b>	<b>230A</b>
<b>V<sub>F</sub></b>	<b>0.58V</b>
<b>T<sub>J</sub> Max</b>	<b>150°C</b>


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

Characteristics	Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage	<b>V<sub>RRM</sub></b>	100	<b>V</b>
Working Peak Reverse Voltage	<b>V<sub>RWM</sub></b>	70	<b>V</b>
Maximum DC Blocking Voltage	<b>V<sub>DC</sub></b>	100	<b>V</b>
Maximum Average Forward Rectified Current	<b>I<sub>o</sub></b>	20	<b>A</b>
Peak Forward Surge Current,8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	<b>I<sub>FSM</sub></b>	230	<b>A</b>
Operating Temperature Range	<b>T<sub>J</sub></b>	150	<b>°C</b>
Storage Temperature Range	<b>T<sub>STG</sub></b>	-40 to +150	<b>°C</b>
Typical Thermal Resistance (Note1) TO-220AB,TO-263 TO-220F	<b>R<sub>θJC</sub></b>	2 4	<b>°C/W</b>

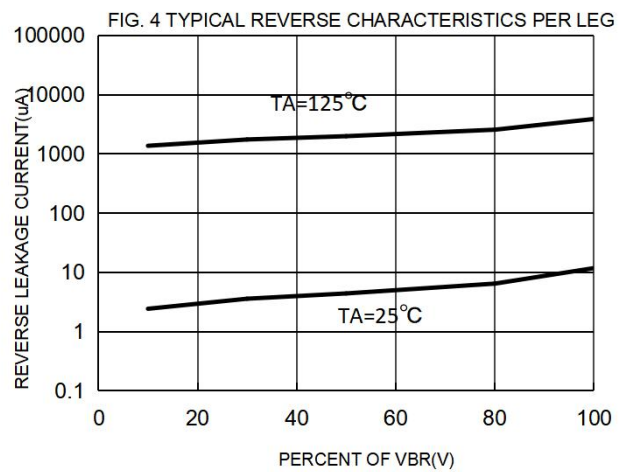
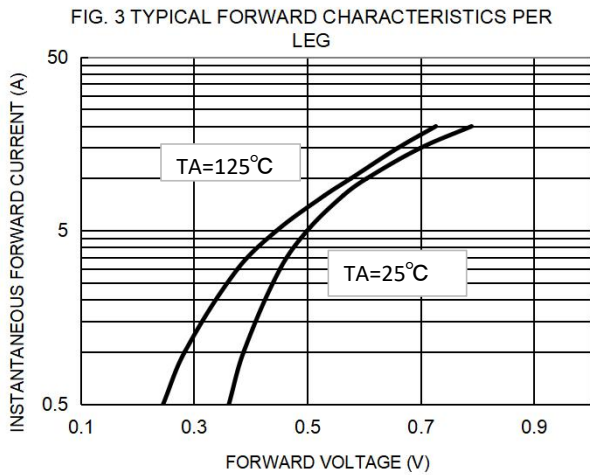
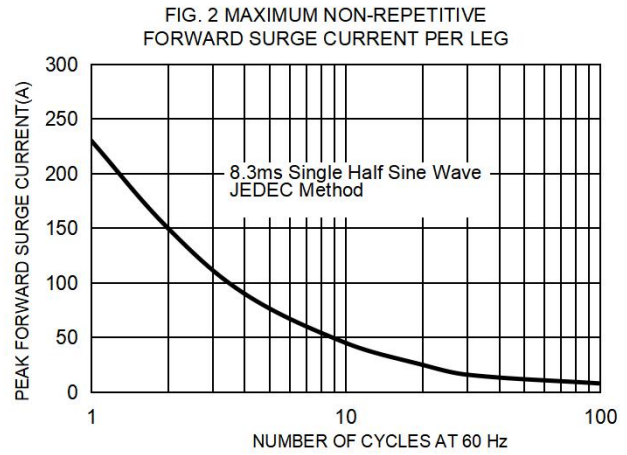
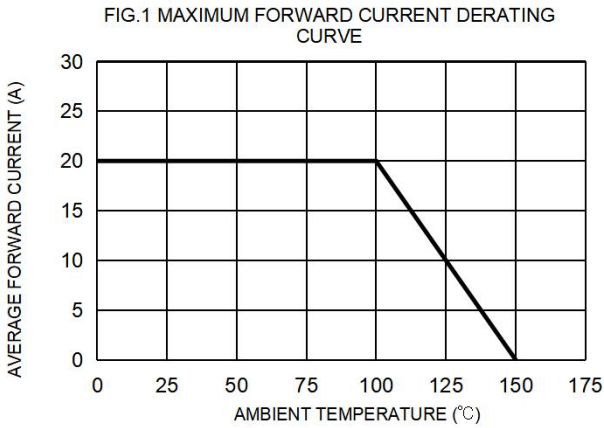
Note1: Thermal resistance from Junction to case per leg mounted on heatsink.

**Electrical Characteristics (Per Leg) unless otherwise specified**

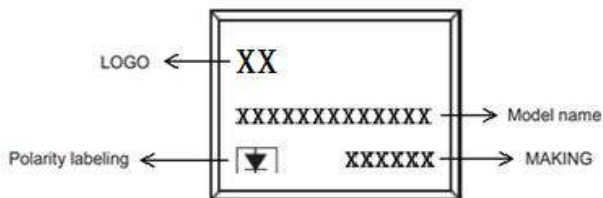
Characteristics	Symbol	Value		Unit
Forward Voltage Drop(Note2)		Typ.	Max.	
at I <sub>F</sub> =3A	TA=25°C	0.45	-	<b>V</b>
	TA=125°C	0.38	-	
at I <sub>F</sub> =5A	TA=25°C	0.50	0.55	
	TA=125°C	0.45	-	
at I <sub>F</sub> =10A	TA=25°C	0.60	0.65	
	TA=125°C	0.58	-	
Maximum Reverse Current at V <sub>R</sub> =100V	TA=25°C	11.8	30	<b>μA</b>
	TA=125°C	3.88	-	<b>mA</b>

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

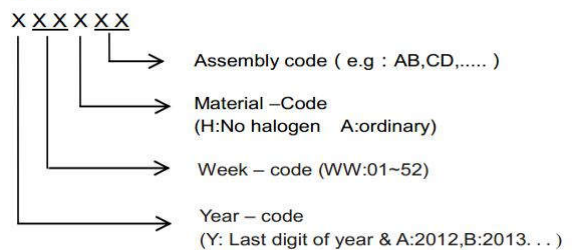
**RATINGS AND CHARACTERISTIC CURVES**



**Marking On The Body**



**MAKING:**



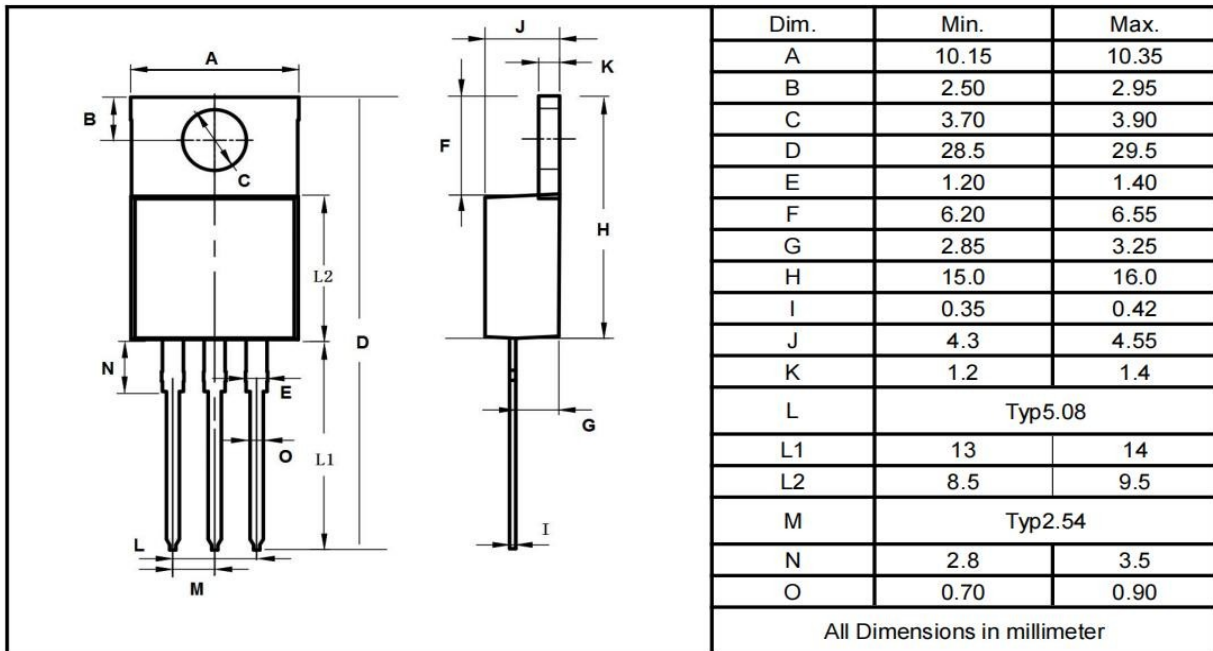
**Ordering information**

Part Number	Package	Unit Weight	Base Quantity	Delivery mode
SRT20L100SCT	TO-220AB	0.07oz(1.96g)	50 pcs / tube	1000pcs/box 5000pcs/carton
SRT20L100SFCT	TO-220F	0.06oz(1.74g)	50 pcs / tube	1000pcs/box 5000pcs/carton
SRT20L100SDC	TO-263	0.04oz(1.16g)	800 pcs / reel	1600pcs/box 8000pcs/carton
SRT20L100SCS	TO-252	0.011oz(0.32g)	2500 pcs / reel	5000pcs/box 25000pcs/carton

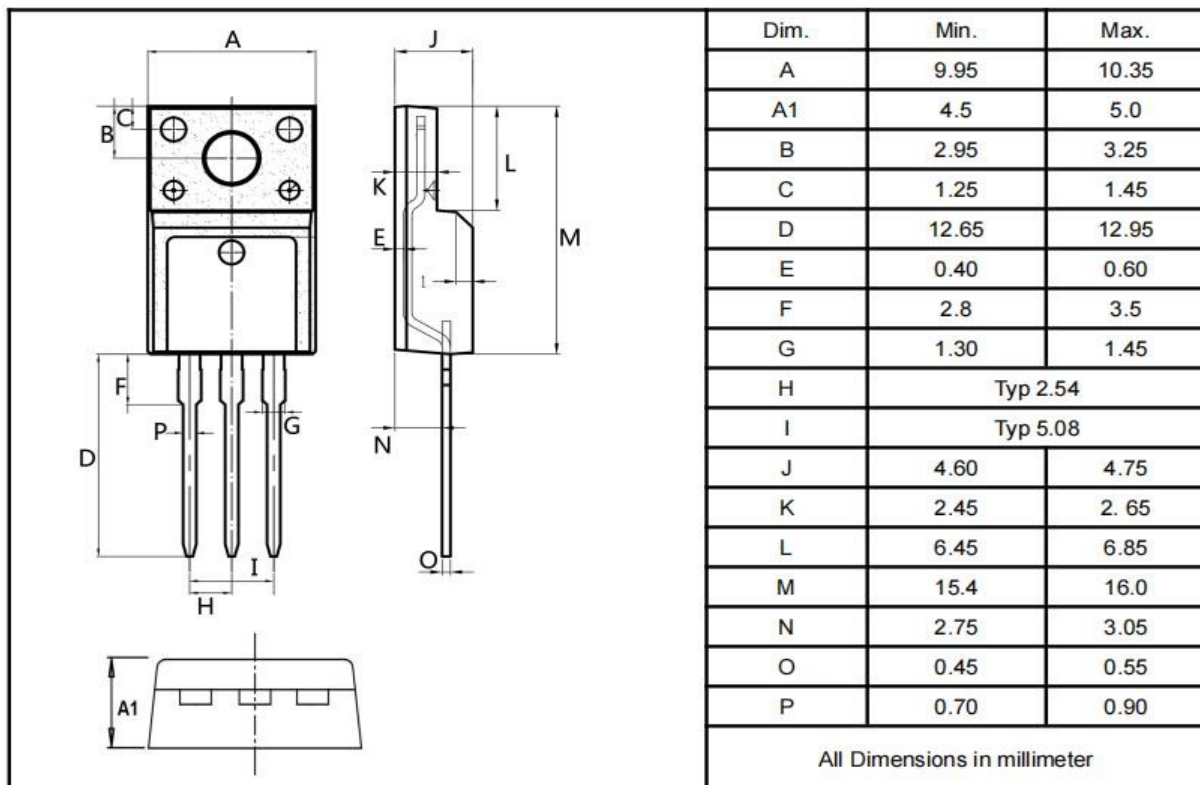
Note: For Halogen Free molding compound, add "H" suffix to part number above.

Package Outline Dimensions millimeters

**TO-220AB**

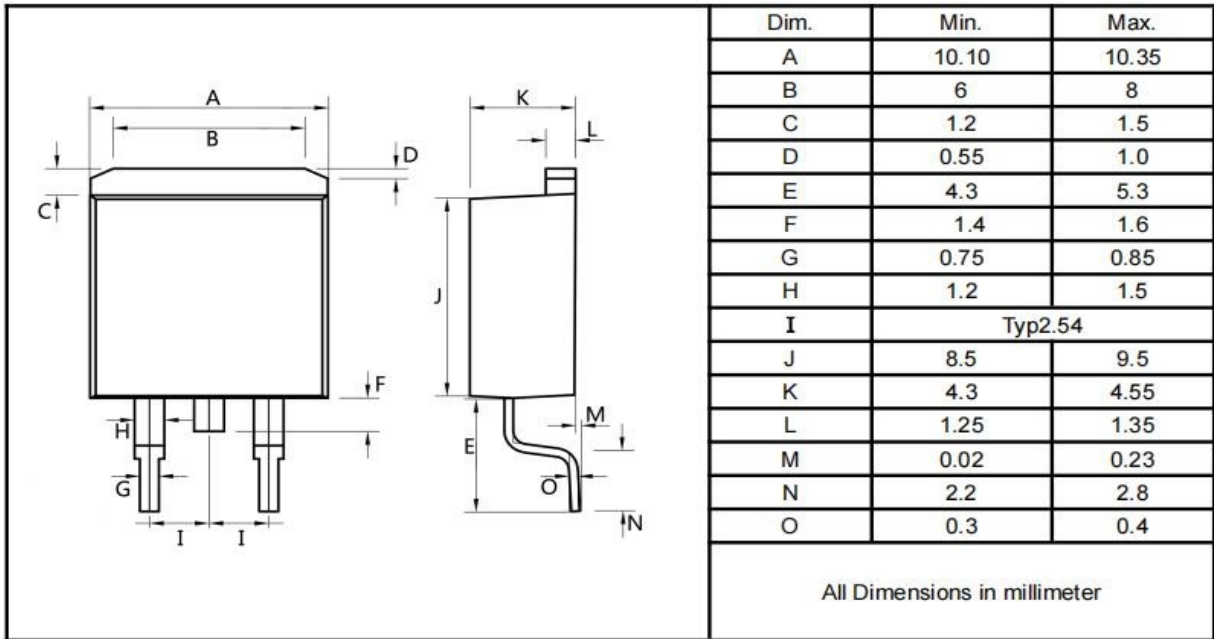


**TO-220F**

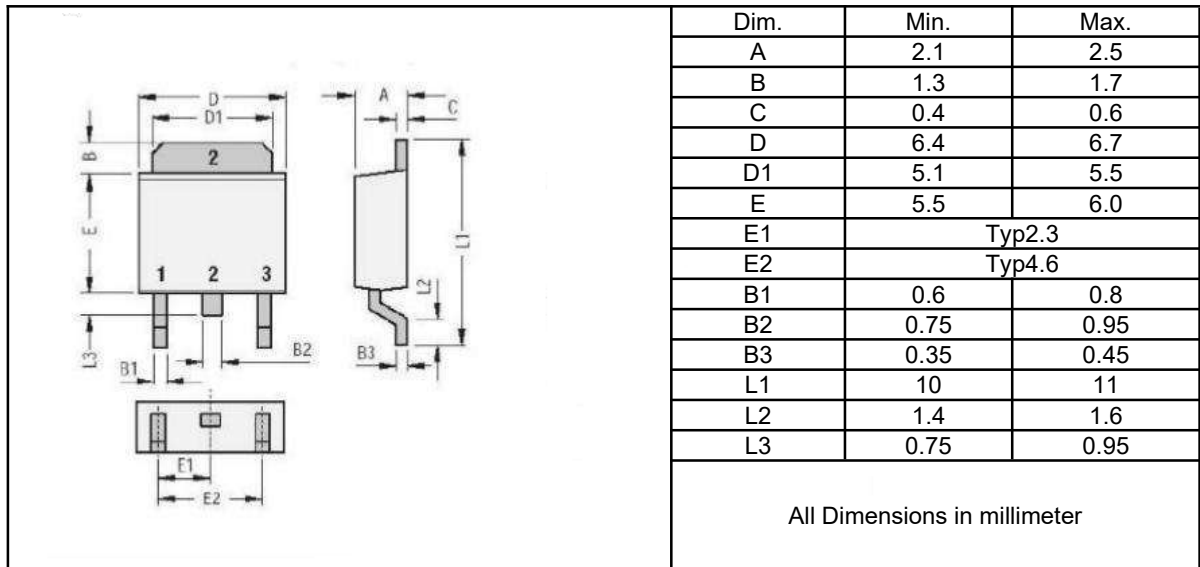


Package Outline Dimensions millimeters

**TO-263**



**TO-252**



单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)