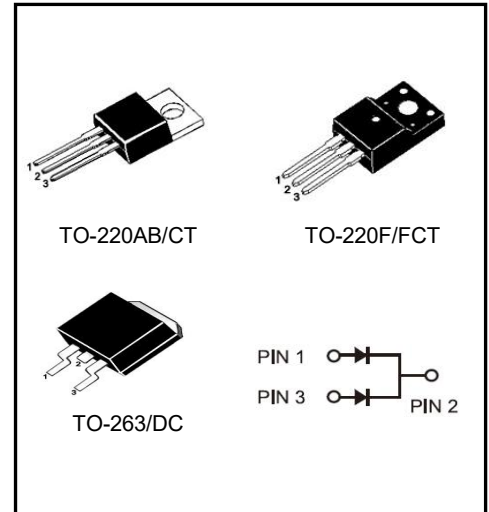


**LOW VF SCHOTTKY RECTIFIER**
**Reverse Voltage - 150 V**
**Forward Current - 20 A**
**FEATURES**

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

**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>150V</b>
<b>I<sub>FSM</sub></b>	<b>340A</b>
<b>V<sub>F</sub></b>	<b>0.65V</b>
<b>T<sub>J</sub> Max</b>	<b>175°C</b>

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

Characteristics		Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage		V <sub>RRM</sub>	150	V
Working Peak Reverse Voltage		V <sub>RWM</sub>	150	V
Maximum DC Blocking Voltage		V <sub>DC</sub>	150	V
Maximum Average Forward Rectified Current	Per Leg	I <sub>o</sub>	10	A
	Total		20	
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		I <sub>FSM</sub>	340	A
Operating Temperature Range		T <sub>J</sub>	-40 to +175	°C
Storage Temperature Range		T <sub>STG</sub>	-40 to +150	°C
Typical Thermal Resistance (Note1)		R <sub>θJC</sub>	2	°C/W
TO-220AB, TO-263			4	
TO-220F				

**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 <sub>F</sub>	Typ.	Max.	V		
at I <sub>F</sub> =3A	TA=25°C		0.69	-			
	TA=125°C		0.55	-			
at I <sub>F</sub> =5A	TA=25°C		0.72	-			
	TA=125°C		0.59	-			
at I <sub>F</sub> =10A	TA=25°C		0.78	0.83			
	TA=125°C		0.65	-			
Maximum Reverse Current at V <sub>R</sub> =150V	TA=25°C		I <sub>R</sub>	0.14		0.5	μA
	TA=125°C		I <sub>R</sub>	155		-	μA

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

**RATINGS AND CHARACTERISTIC CURVES**

FIG.1 MAXIMUM FORWARD CURRENT DERATING CURVE

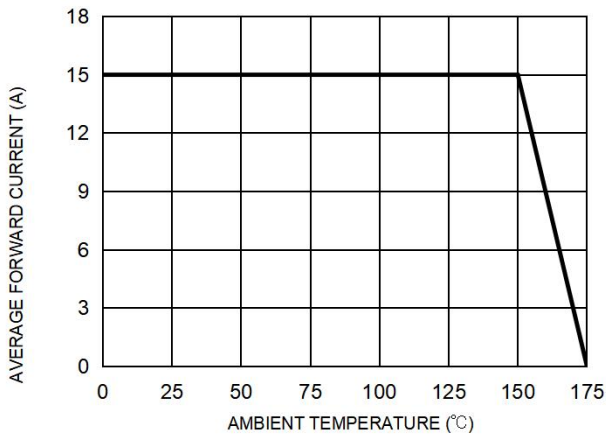


FIG. 2 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER LEG

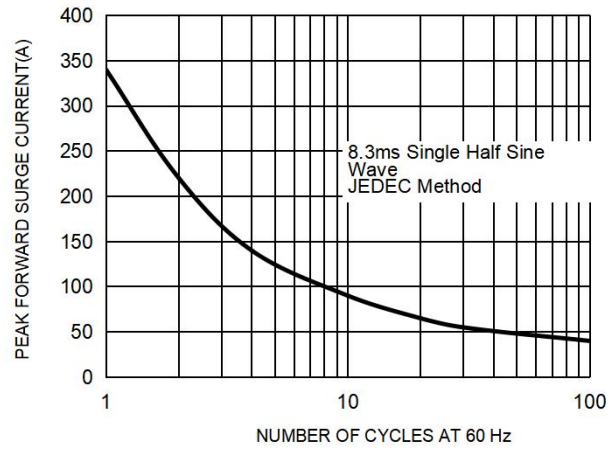


FIG. 3 TYPICAL FORWARD CHARACTERISTICS PER LEG

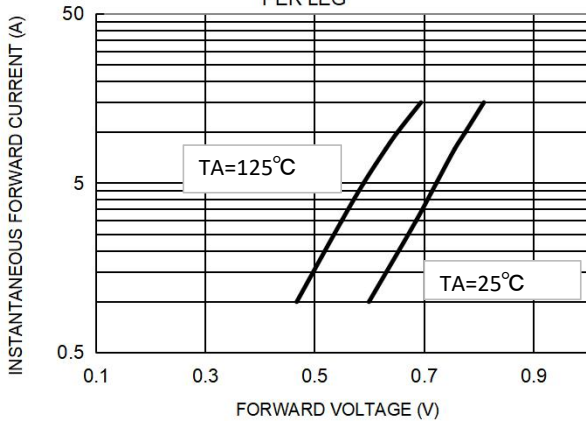
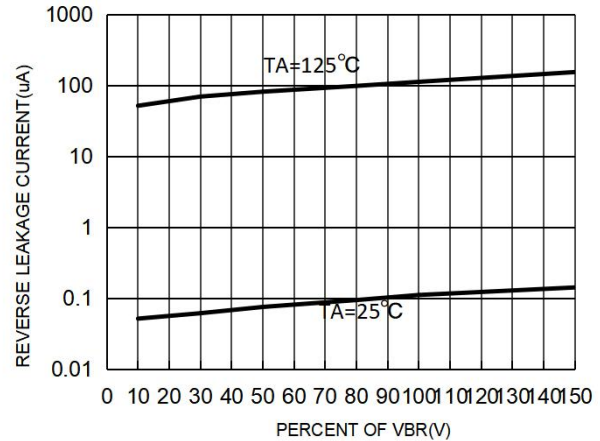
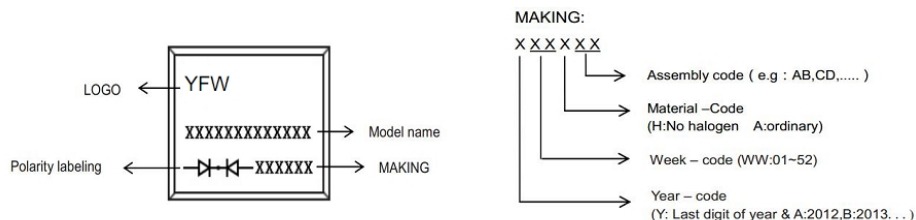


FIG. 4 TYPICAL REVERSE CHARACTERISTICS PER LEG



**Marking on the body**



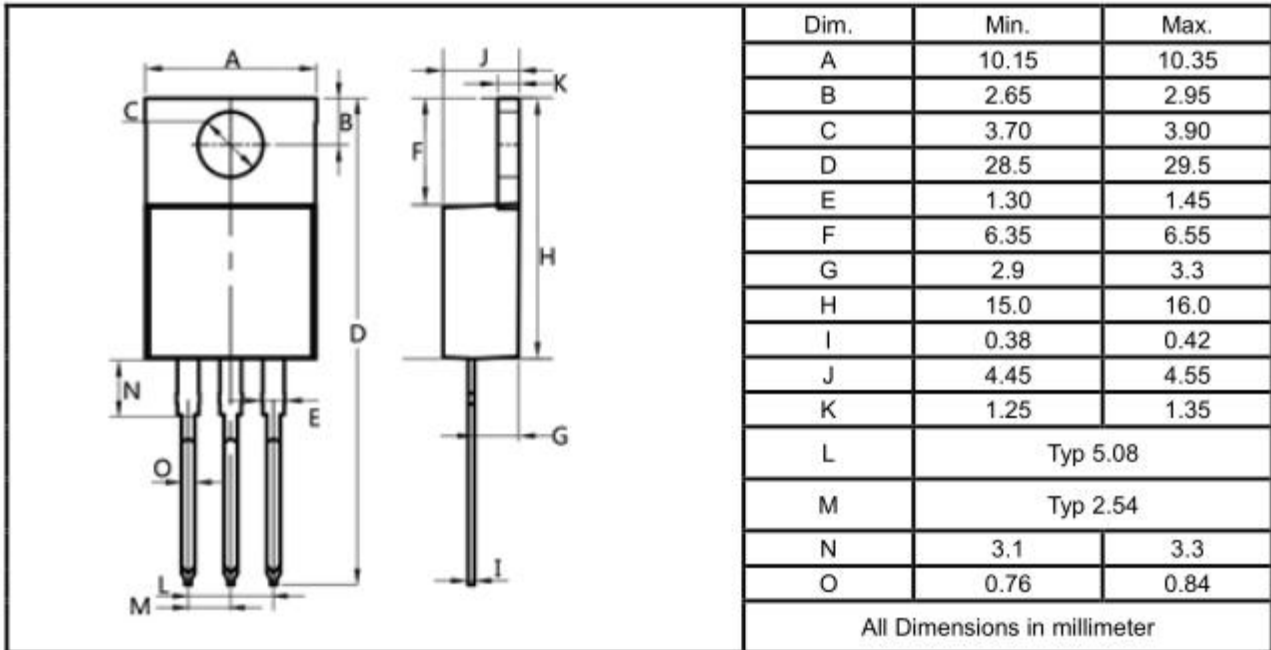
**Ordering Information**

Part Number	Package	Unit Weight	Base Quantity	Delivery mode
SRT20V150CT	TO-220AB	0.07oz(1.96g)	50 pcs / tube	1000pcs/box 5000pcs/carton
SRT20V150FCT	TO-220F	0.06oz(1.74g)	50 pcs / tube	1000pcs/box 5000pcs/carton
SRT20V150DC	TO-263	0.04oz(1.16g)	800 pcs / reel	1600pcs/box4000pcs/carton

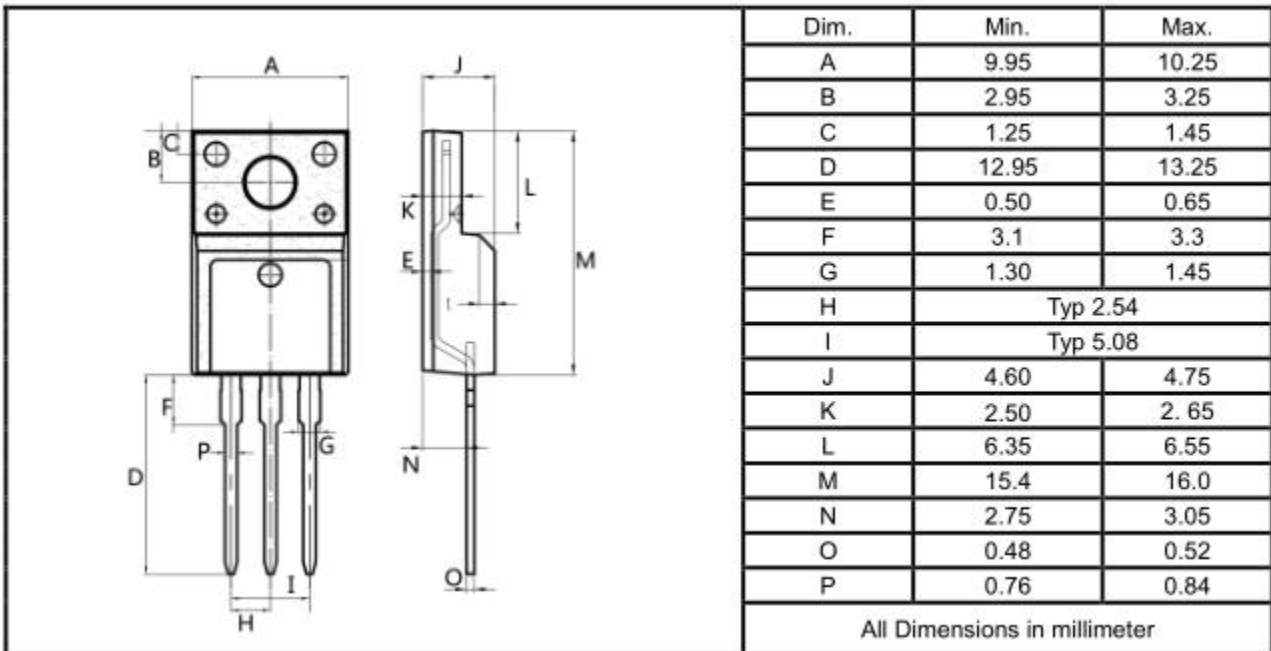
Note: For Halogen Free molding compound, add "H" suffix to part number above.

Package Outline Dimensions millimeters

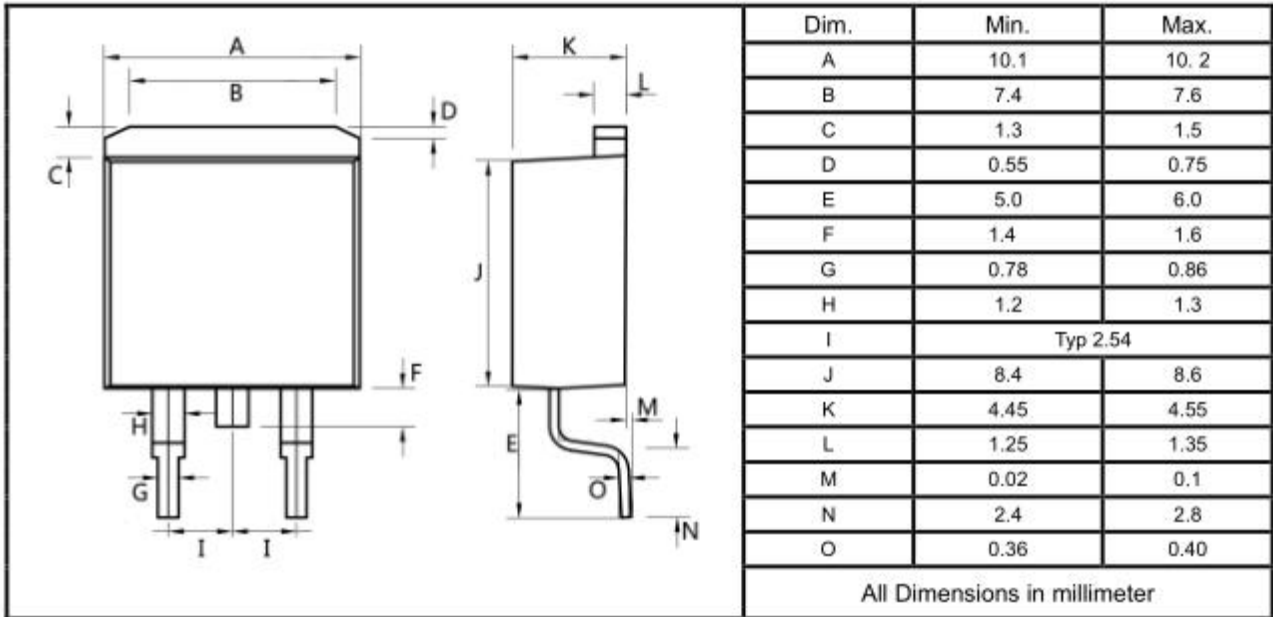
**TO-220AB**



**TO-220F**



TO-263



单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)