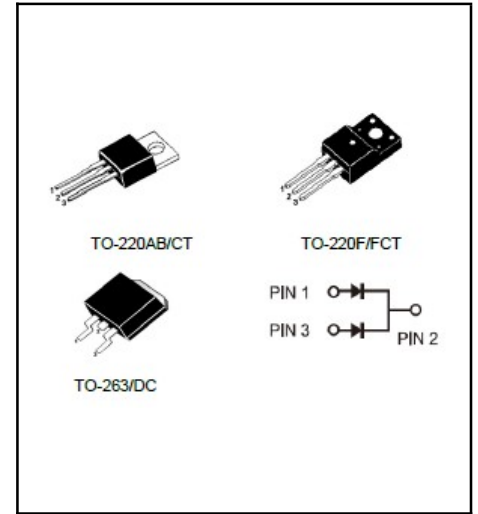


**ULTRAFST RECOVERY RECTIFIERS**
**Reverse Voltage - 400 V**
**Forward Current - 30 A**
**FEATURES**

- ◆High speed switching capability
- ◆High current capability
- ◆High forward surge capability
- ◆Low power losses, High efficiency
- ◆High reliability
- ◆For use in low voltage, high frequency inverters

**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>2*15A</b>
<b>V<sub>RRM</sub></b>	<b>400V</b>
<b>I<sub>FSM</sub></b>	<b>260A</b>
<b>V<sub>F</sub></b>	<b>0.96V</b>
<b>T<sub>rr</sub></b>	<b>34ns</b>
<b>T<sub>J</sub>Max</b>	<b>175°C</b>

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

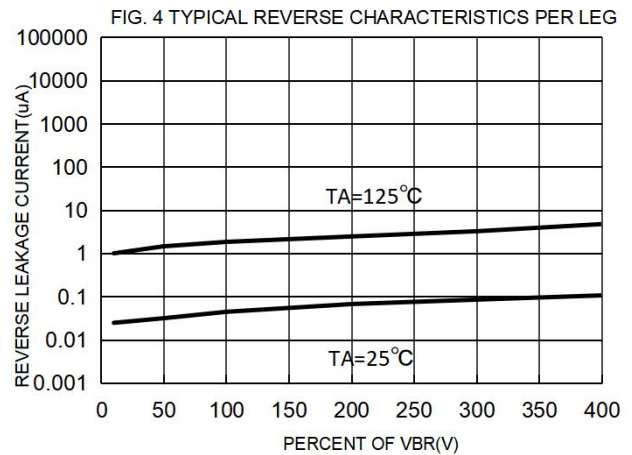
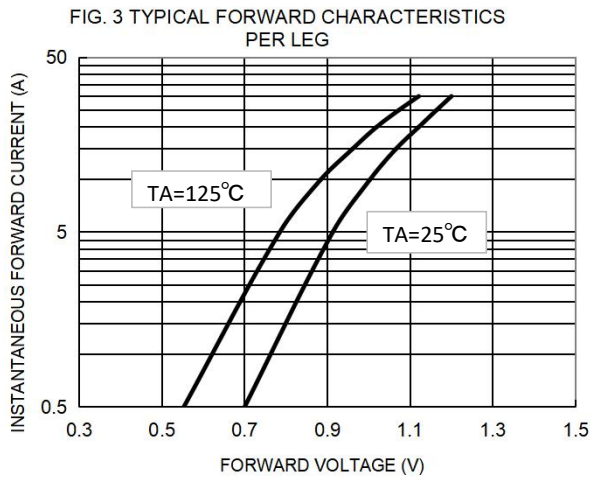
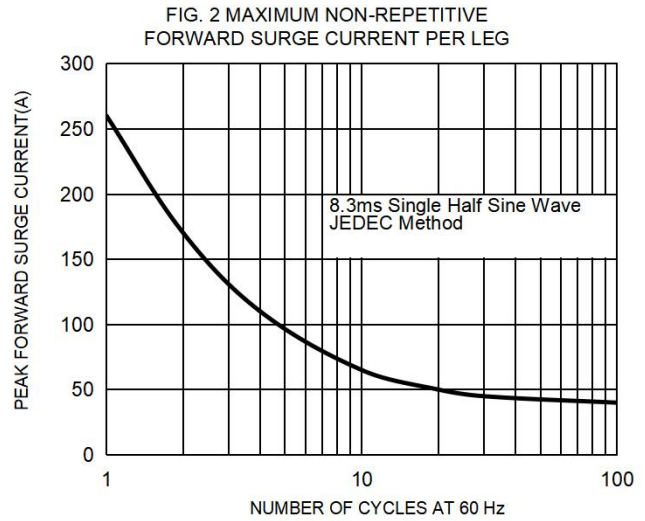
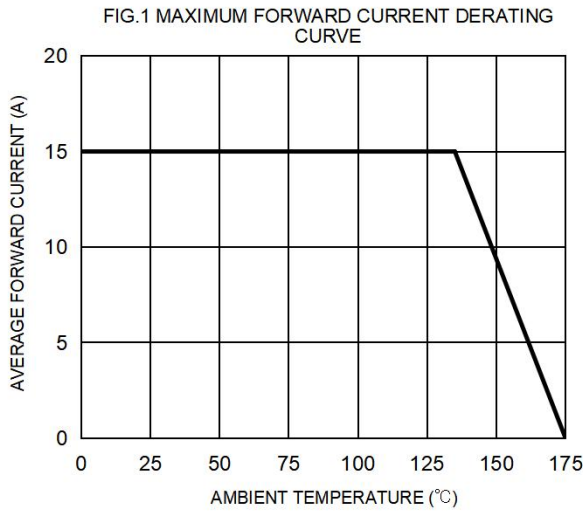
Parameter	Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage	<b>V<sub>RRM</sub></b>	400	<b>V</b>
Maximum RMS voltage	<b>V<sub>RMS</sub></b>	280	<b>V</b>
Maximum DC Blocking Voltage	<b>V<sub>DC</sub></b>	400	<b>V</b>
Maximum Average Forward Rectified Current	Per Leg	15	<b>A</b>
	Total	30	
Peak Forward Surge Current, 8.3ms Single Half Sine-wave	<b>I<sub>FSM</sub></b>	260	<b>A</b>
Operating Temperature Range	<b>T<sub>J</sub></b>	175	<b>°C</b>
Storage Temperature Range	<b>T<sub>STG</sub></b>	-55 to +175	<b>°C</b>
Typical Thermal Resistance (Note1) TO-220AB/CT TO-220F/FCT TO-263/DC	<b>R<sub>θJA</sub>/ 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**

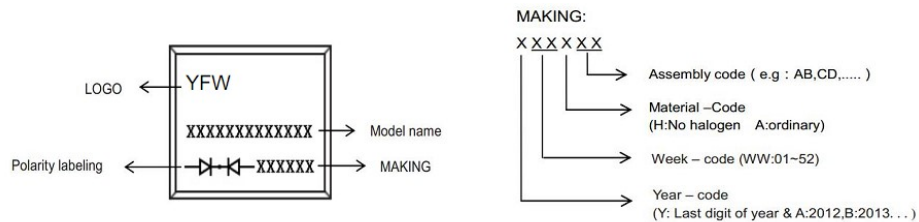
Characteristics	Symbol	Value		Unit	
Forward Voltage Drop(Note2)	<b>V<sub>F</sub></b>	Typ.	Max.	<b>V</b>	
at I <sub>F</sub> =5A		TA=25°C	0.91		-
		TA=125°C	0.79		-
at I <sub>F</sub> =10A		TA=25°C	1.00		-
		TA=125°C	0.88		-
at I <sub>F</sub> =15A		TA=25°C	1.07		1.35
		TA=125°C	0.96		-
Maximum Reverse Current at V <sub>R</sub> =400V		<b>I<sub>R</sub></b>	TA=25°C		0.2
	TA=125°C		5	<b>μA</b>	
Maximum Reverse Recovery Time at I <sub>F</sub> =0.5A, I <sub>R</sub> =1A,	<b>T<sub>rr</sub></b>	34	40	<b>ns</b>	

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

**RATINGS AND CHARACTERISTIC CURVES**



**Marking on the body**



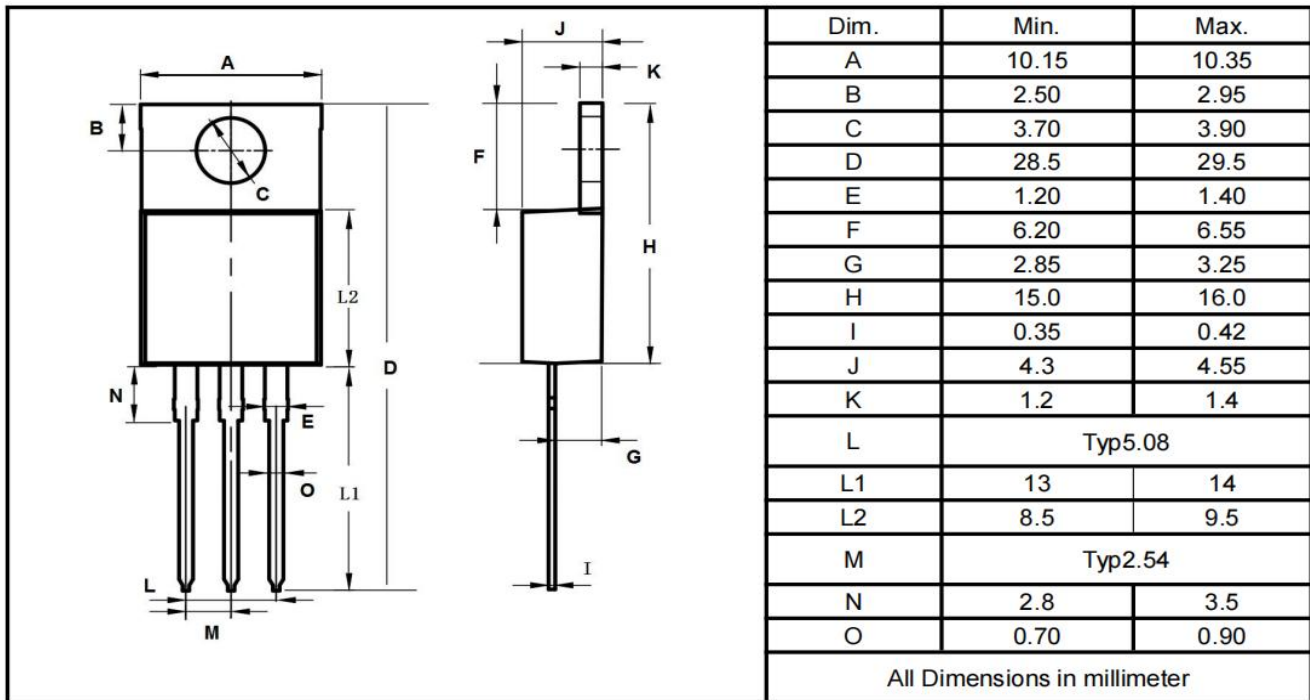
**Ordering information**

Part Number	Package	Unit Weight	Base Quantity	Delivery mode
MUR3040CT	TO-220AB	0.07oz(1.96g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MUR3040FCT	TO-220F	0.06oz(1.74g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MUR3040DC-G	TO-263	0.04oz(1.16g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MUR3040DC	TO-263	0.04oz(1.16g)	800 pcs / reel	1600pcs/box 8000pcs/carton

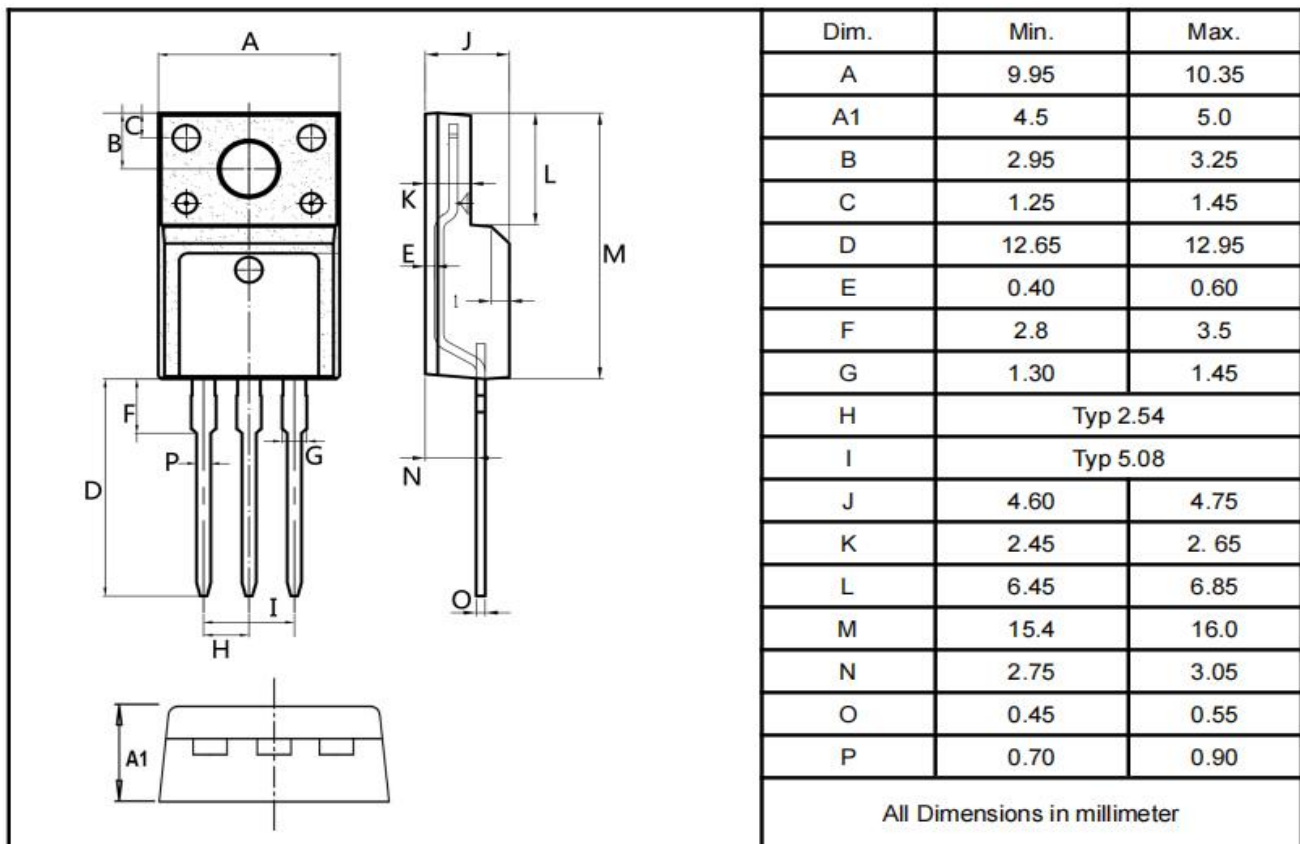
Note: For Halogen Free molding compound, add "H" suffix to part number above.

Package Outline Dimensions millimeters

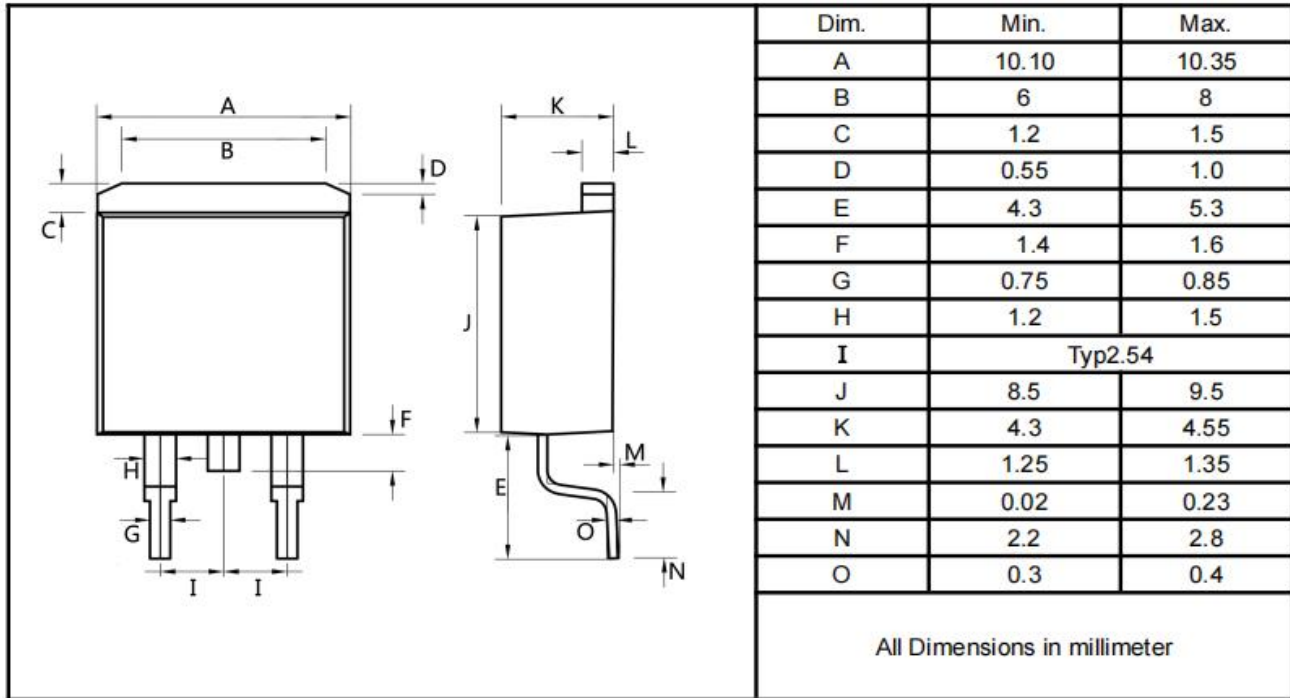
**TO-220AB**



**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\(佑风微\)](#)