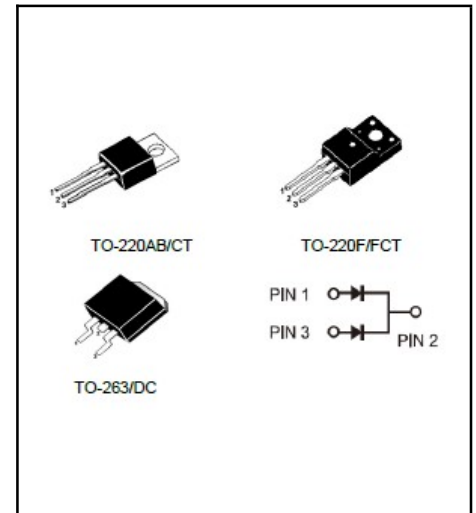


ULTRAFST RECOVERY RECTIFIERS
Reverse Voltage - 400 V
Forward Current - 30 A
FEATURES

- ◆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

I_o	2*15A
V_{RRM}	400V
I_{FSM}	260A
V_F	0.96V
T_{rr}	34ns
T_JMax	175°C

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

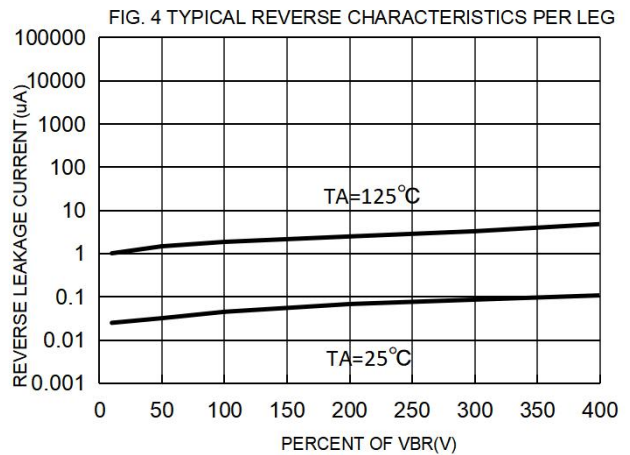
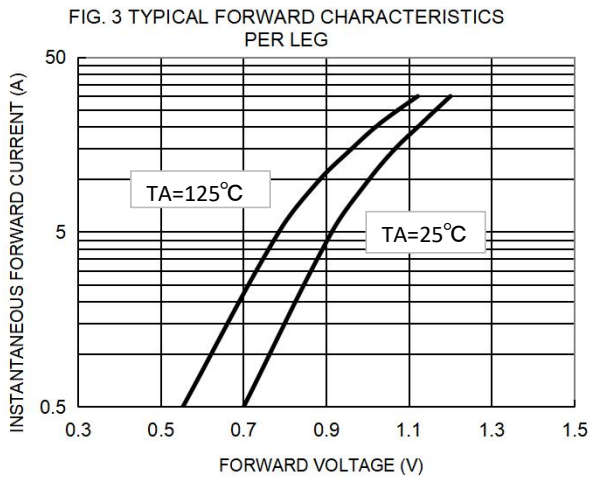
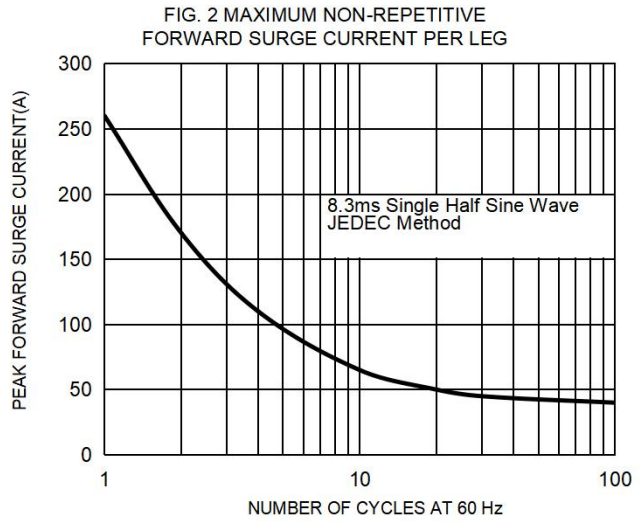
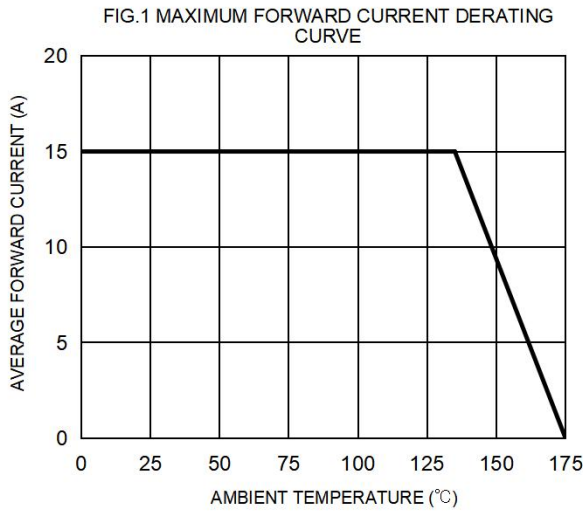
Parameter	Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	400	V
Maximum RMS voltage	V_{RMS}	280	V
Maximum DC Blocking Voltage	V_{DC}	400	V
Maximum Average Forward Rectified Current	Per Leg	15	A
	Total	30	
Peak Forward Surge Current, 8.3ms Single Half Sine-wave	I_{FSM}	260	A
Operating Temperature Range	T_J	175	°C
Storage Temperature Range	T_{STG}	-55 to +175	°C
Typical Thermal Resistance (Note1) TO-220AB/CT TO-220F/FCT TO-263/DC	R_{θJA}/ R_{θJC}	2/4	°C/W

Note1: Thermal resistance from Junction to case per leg mounted on heatsink.
Electrical Characteristics (Per Leg) unless otherwise specified

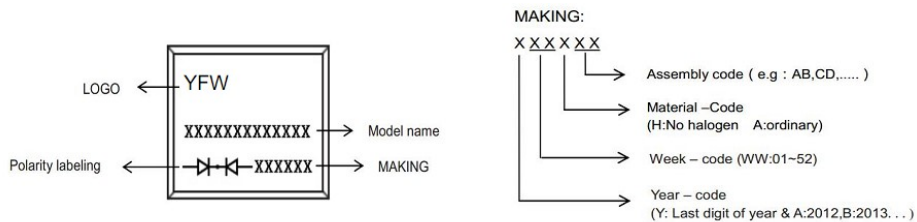
Characteristics	Symbol	Value		Unit	
Forward Voltage Drop(Note2)		Typ.	Max.	V	
		at I _F =5A	TA=25°C		0.91
	TA=125°C	0.79	-		
at I _F =10A	TA=25°C	1.00	-		
	TA=125°C	0.88	-		
at I _F =15A	TA=25°C	1.07	1.35		
	TA=125°C	0.96	-		
Maximum Reverse Current at V _R =400V	I _R	TA=25°C	0.2		2
		TA=125°C	5		-
Maximum Reverse Recovery Time at I _F =0.5A, I _R =1A,	T _{rr}	34	40		ns

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

RATINGS AND CHARACTERISTIC CURVES



Marking on the body



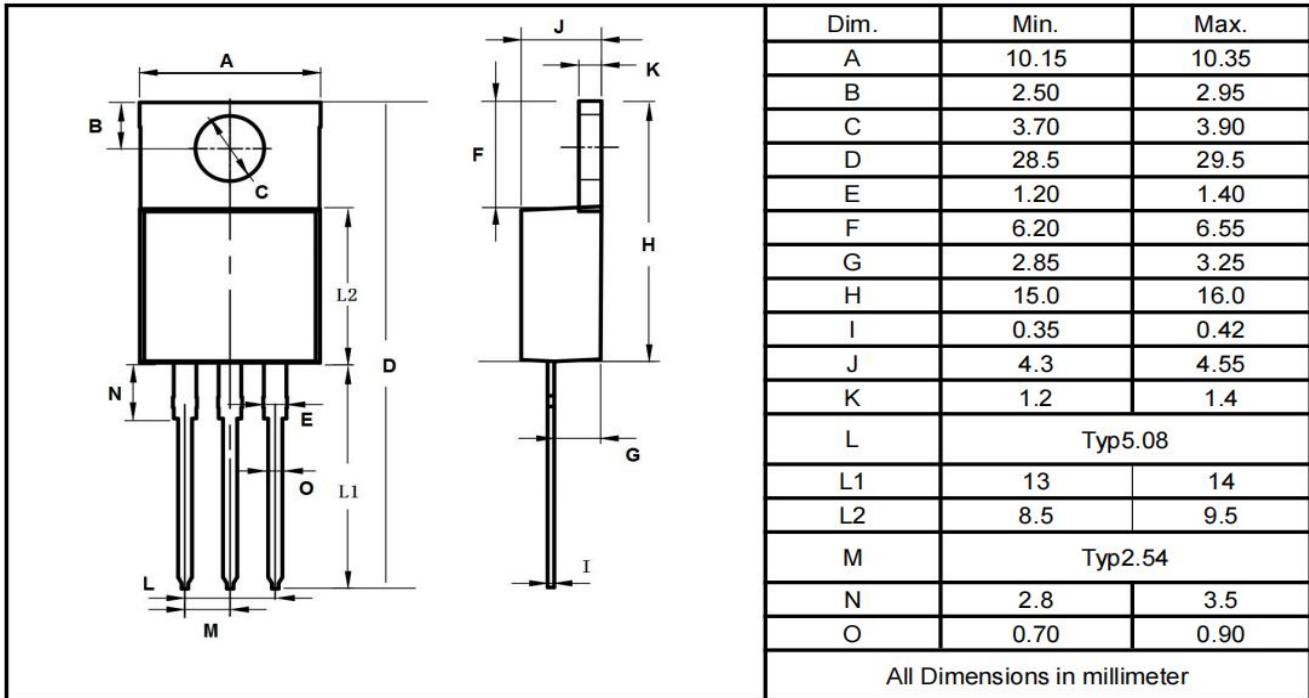
Ordering information

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

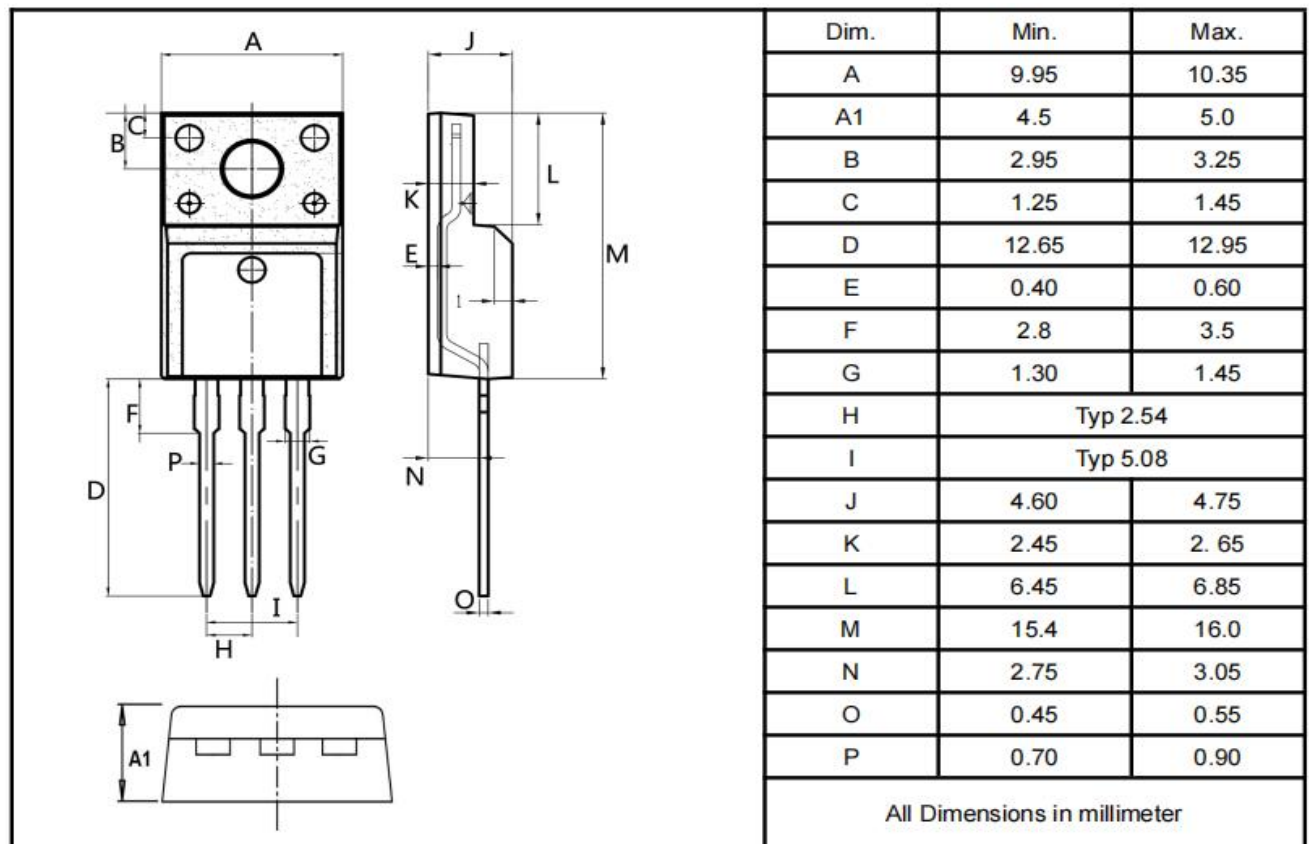
Note: For Halogen Free molding compound, add "H" suffix to part number above.

Package Outline Dimensions millimeters

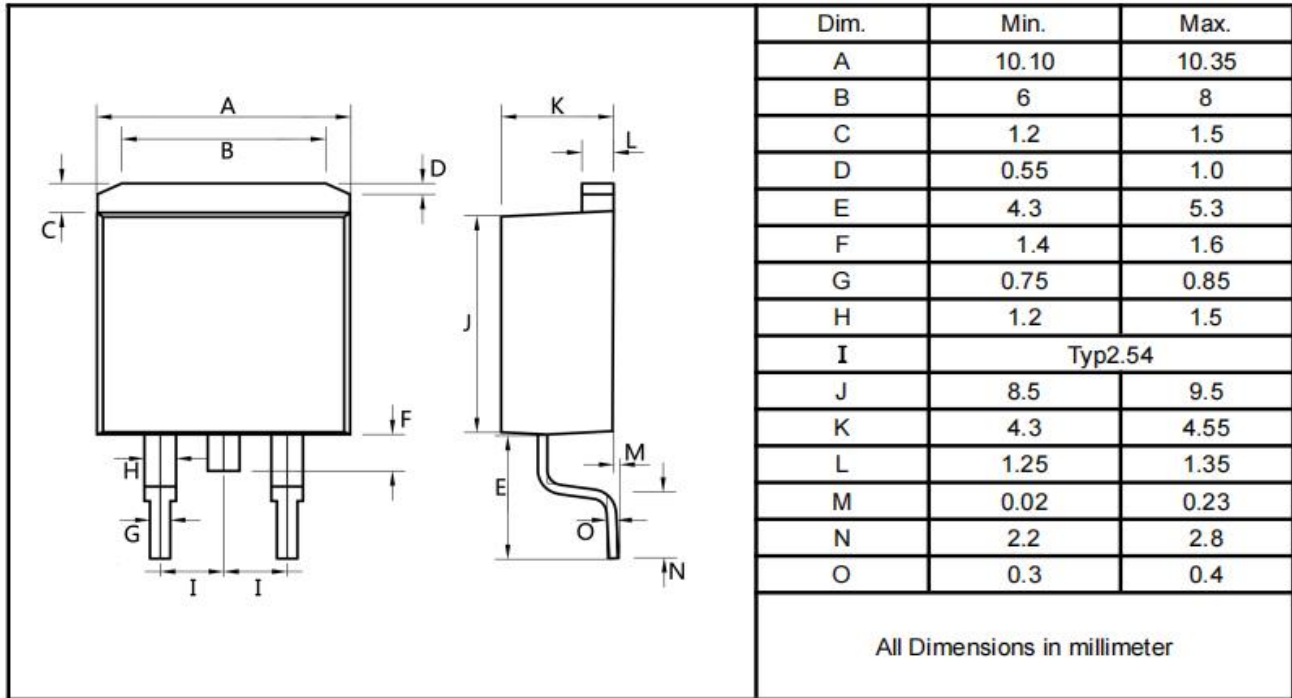
TO-220AB



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\(佑风微\)](#)