

## ULTRAFST RECOVERY RECTIFIERS

Reverse Voltage - 600 V

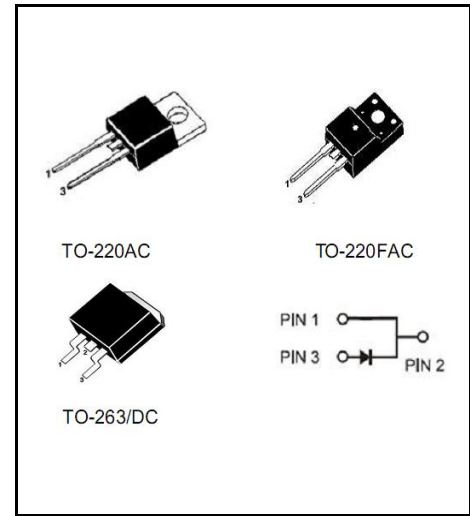
Forward Current - 10 A

### FEATURES

- ◆ High speed switching capability
- ◆ High current capability
- ◆ High forward surge capability
- ◆ Low power losses, High efficiency
- ◆ For use in low voltage, high frequency inverters
- ◆ Lead free in comply with EU RoHS 2011/65/EU directives

### MECHANICAL DATA

- ◆ Case: TO-220AC TO-220FAC TO-263/DC
- ◆ Solder bath temperature 275°C maximum, 10s per JESD22-106



### Primary Characteristic

$I_o$	10A
$V_{RRM}$	600V
$I_{FSM}$	100A
$V_F$	1.03V
$T_J \text{ Max}$	150°C

### Maximum Ratings (Per Leg) at $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	600	V
Maximum RMS voltage	$V_{RMS}$	420	V
Maximum DC Blocking Voltage	$V_{DC}$	600	V
Maximum Average Forward Rectified Current	$I_o$	10	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave	$I_{FSM}$	100	A
Operating Temperature Range	$T_J$	150	°C
Storage Temperature Range	$T_{STG}$	-40 ~ +150	°C
Typical Thermal Resistance (Note1) TO-220AC TO-263/DC TO-220FAC	$R_{\theta JA} / R_{\theta JC}$	2/4	°C/W

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

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

Characteristics	Symbols	Value		Units
		Typ	Max	
Forward Voltage Drop(Note2)	$V_F$	1.05	-	V
at $I_F=3A$				
		TA=125°C		
at $I_F=5A$		TA=25°C		
		TA=125°C		
at $I_F=8A$		TA=25°C	1.25	
	TA=125°C	1.03	-	
Maximum Reverse Current at $V_R=600V$	$I_R$	0.05	1	uA
		2	-	uA
Maximum Reverse Recovery Time at $I_F=0.5A, I_R=1A, I_{RR}=0.25A$	$T_{RR}$	-	35.00	nS

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

**RATINGS AND CHARACTERISTIC CURVES**

FIG.1 MAXIMUM FORWARD CURRENT DERATING CURVE

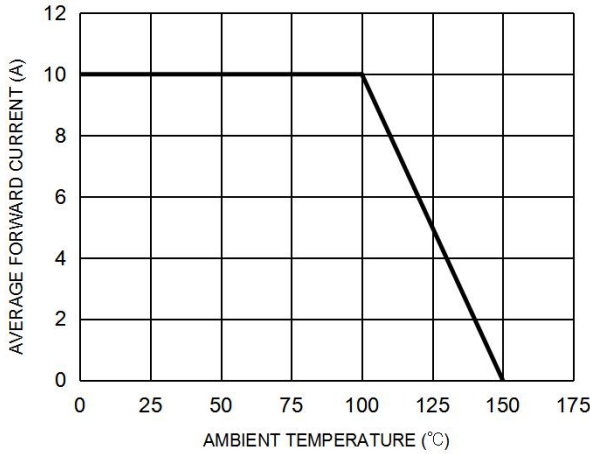


FIG. 2 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER LEG

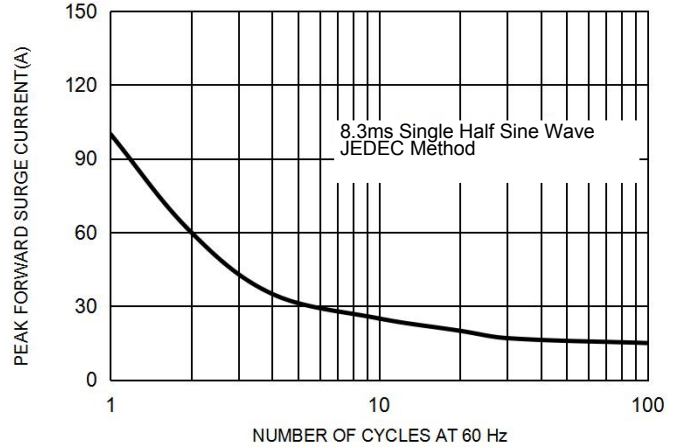


FIG. 3 TYPICAL FORWARD CHARACTERISTICS PER LEG

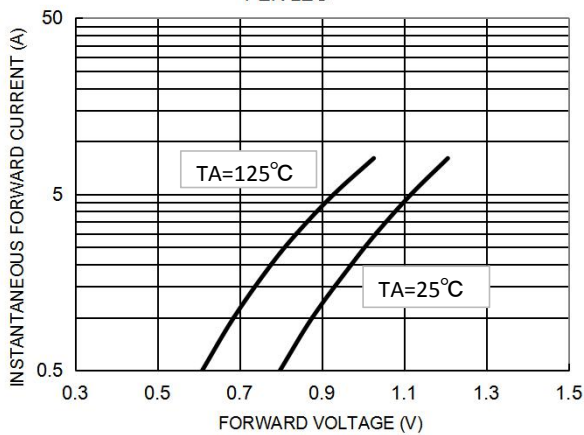
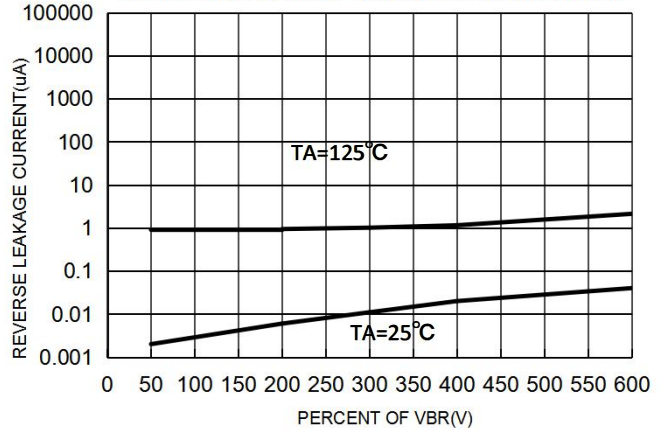
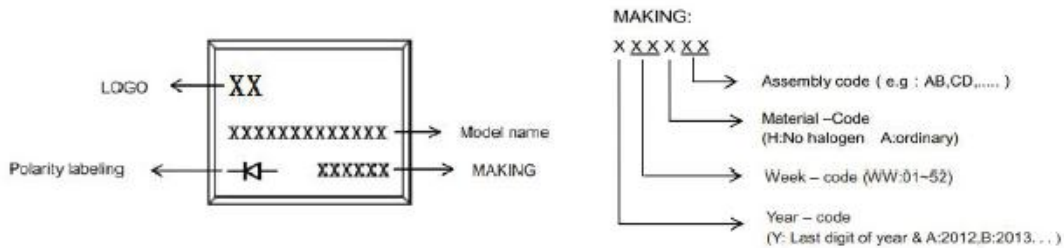


FIG. 4 TYPICAL REVERSE CHARACTERISTICS PER LEG



**Marking on the body**



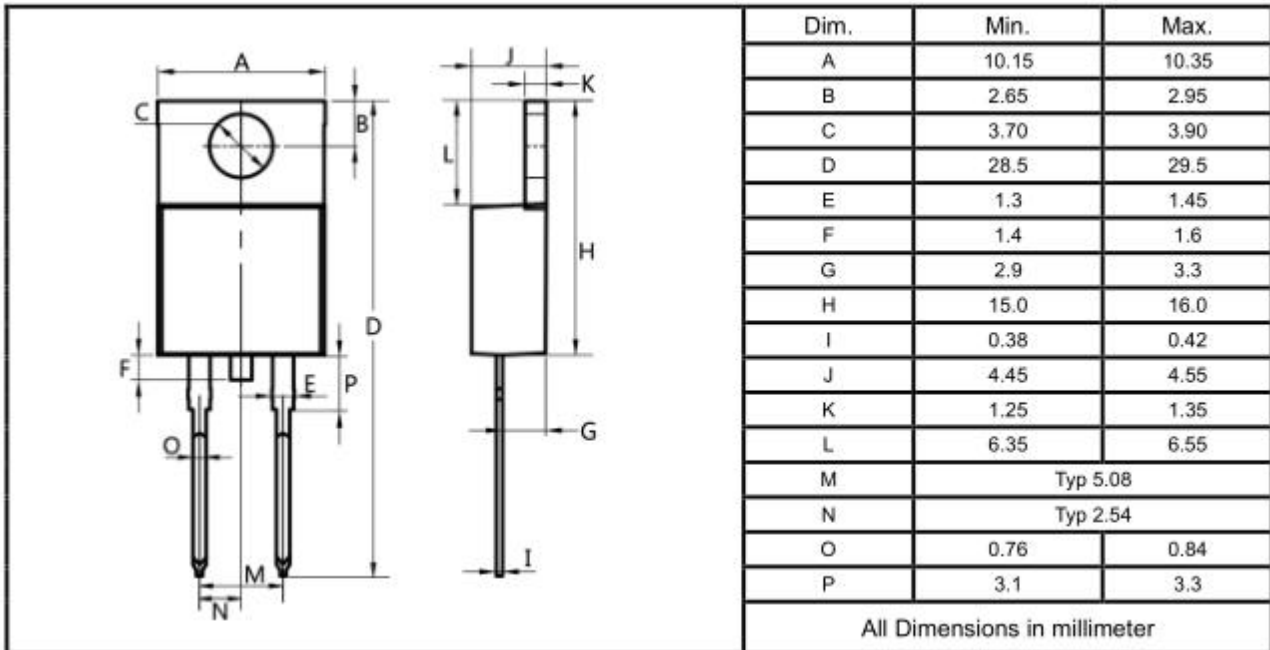
**Ordering information**

Part Number	Package	Unit Weight	Base Quantity	Delivery mode
MUR1060AC	TO-220AC	0.07oz(1.96g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MUR1060FAC	TO-220FAC	0.06oz(1.74g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MUR1060DC-G	TO-263	0.04oz(1.16g)	50 pcs / tube	1000pcs/box 5000pcs/carton
MUR1060DC	TO-263	0.04oz(1.16g)	800 pcs / reel	1600pcs/box 4000pcs/carton

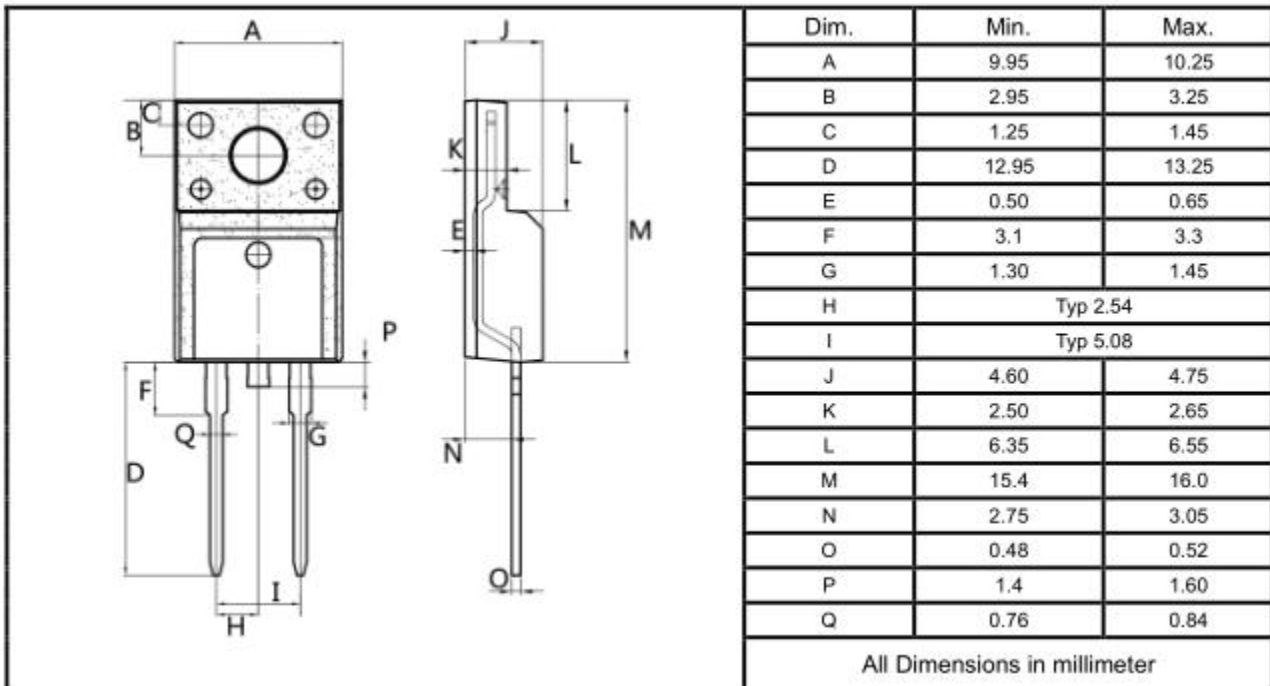
Note: For Halogen Free molding compound, add "H" suffix to part number above.

Package Outline Dimensions millimeters

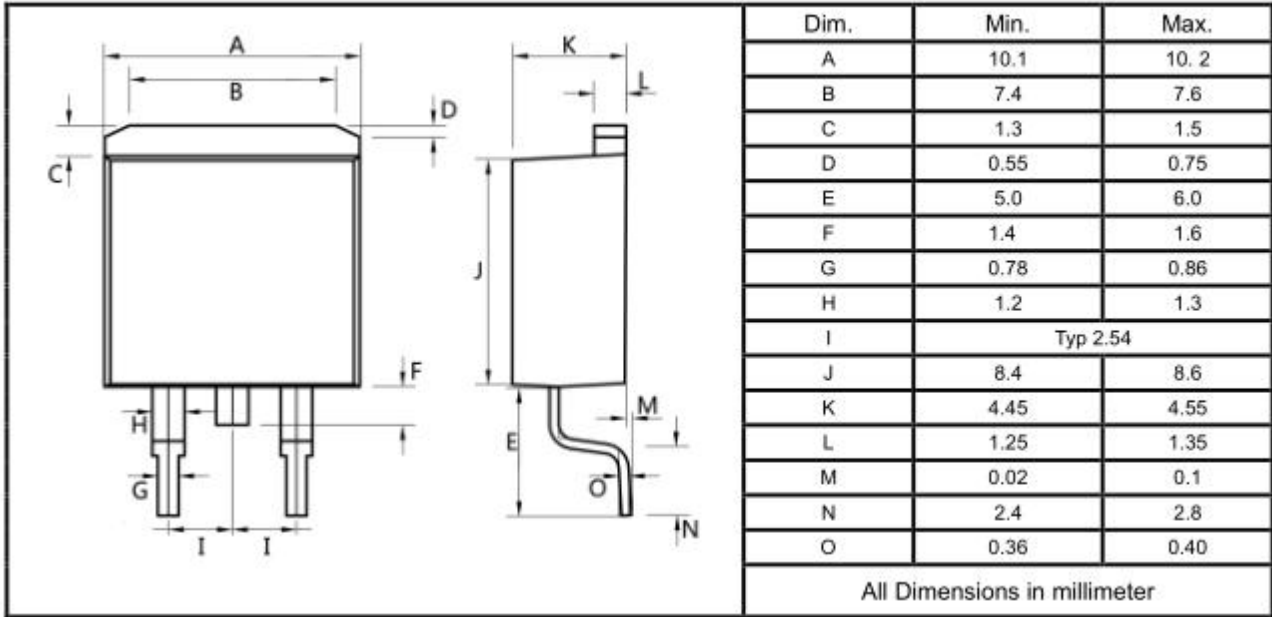
**TO-220AC**



**TO-220FAC**



TO-263



单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)