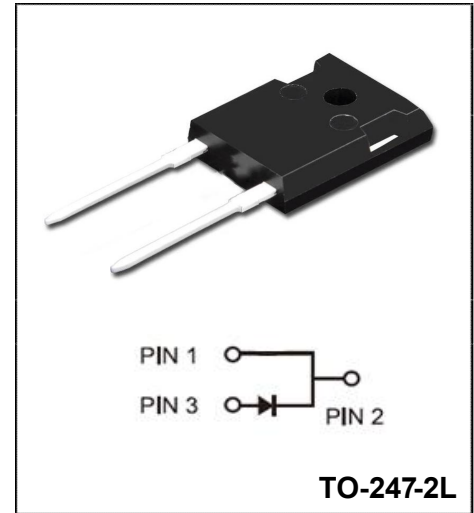


**ULTRAFAST RECOVERY RECTIFIERS**
**Reverse Voltage - 600 V**
**Forward Current - 60A**
**FEATURES**

- ◆ 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**

$I_o$	60A
$V_{RRM}$	600V
$I_{FSM}$	420A
$V_F$	1.3V
$T_{rr}$	30ns
$T_{Jmax}$	150°C

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

Characteristics	Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	600	V
Working Peak Reverse Voltage	$V_{RWM}$	420	V
Maximum DC Blocking Voltage	$V_{DC}$	600	V
Maximum Average Forward Rectified Current	$I_o$	60	A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	$I_{FSM}$	420	A
Operating Temperature Range	$T_J$	150	°C
Storage Temperature Range	$T_{STG}$	-40 to +150	°C
Typical Thermal Resistance (Note1)	$R_{\theta JC}$	2	°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)	$V_F$	Typ.	Max.	V	
at $I_F=5A$		$T_A=25^\circ\text{C}$	0.91		-
		$T_A=125^\circ\text{C}$	0.71		-
at $I_F=10A$		$T_A=25^\circ\text{C}$	1.02		-
		$T_A=125^\circ\text{C}$	0.82		-
at $I_F=30A$		$T_A=25^\circ\text{C}$	1.24		1.59
		$T_A=125^\circ\text{C}$	1.06		-
at $I_F=60A$		$T_A=25^\circ\text{C}$	1.50		2.00
		$T_A=125^\circ\text{C}$	1.30		-
Maximum Reverse Current at $V_R=600V$		$I_R$	$T_A=25^\circ\text{C}$		0.1
	$T_A=125^\circ\text{C}$		15	-	
Maximum Reverse Recovery Time at $I_F=0.5A, I_R=1A,$	$T_{rr}$	30	50	ns	

Note2: Pulse test: 300  $\mu\text{s}$  pulse width, 1 % duty cycle

**RATINGS AND CHARACTERISTIC CURVES**

FIG.1 MAXIMUM FORWARD CURRENT DERATING CURVE

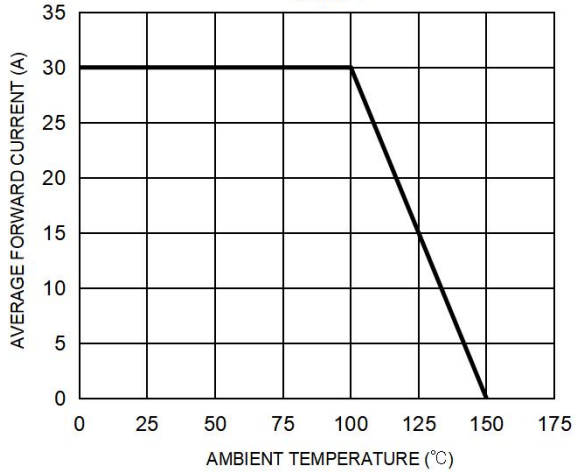


FIG. 2 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER LEG

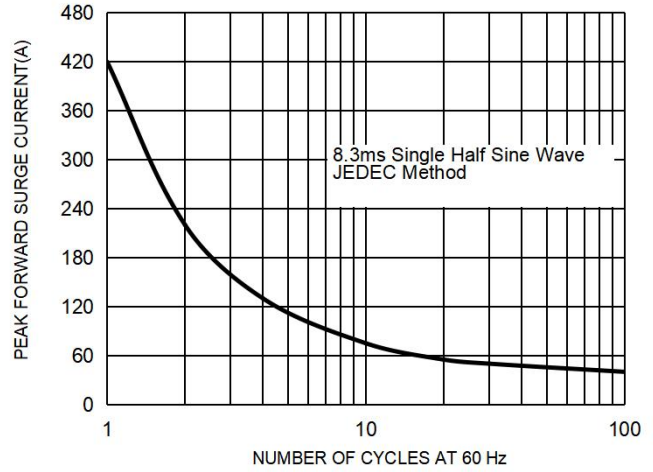


FIG. 3 TYPICAL FORWARD CHARACTERISTICS PER LEG

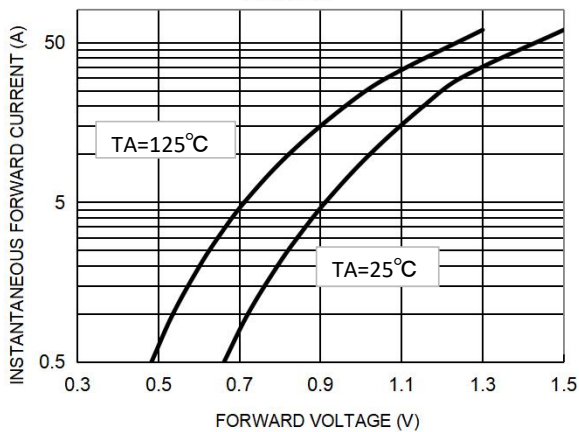
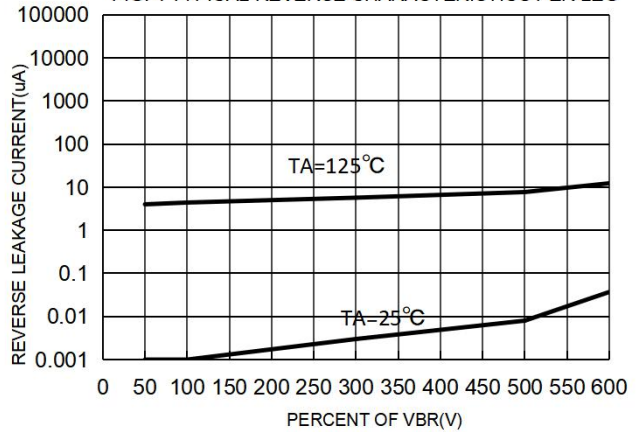
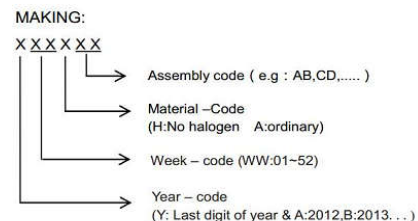
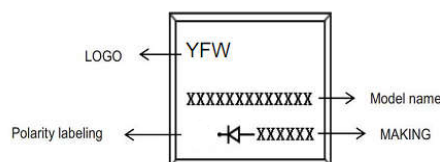


FIG. 4 TYPICAL REVERSE CHARACTERISTICS PER LEG



**Marking on the body**



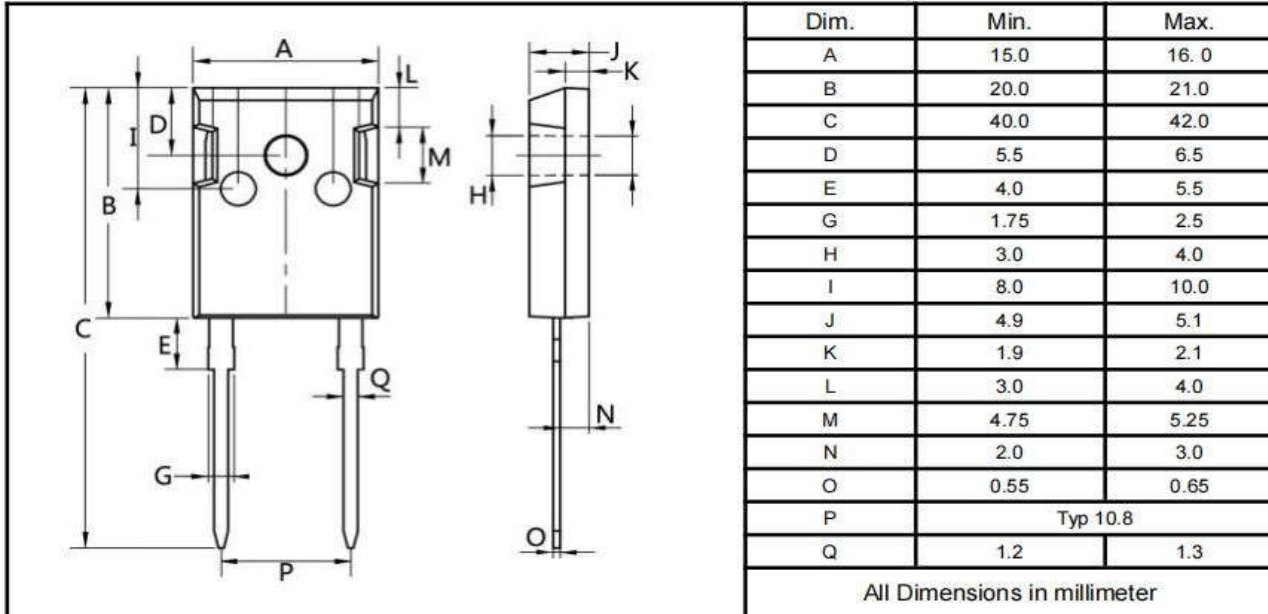
**Ordering information**

Part Number	Package	Unit Weight	Base Quantity	Delivery mode
MUR6060W	TO-247-2L	0.209oz(5.93g)	30 pcs /tube	600pcs/box 3000pcs/carton

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

Package Outline Dimensions millimeters

TO-247-2L



单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)