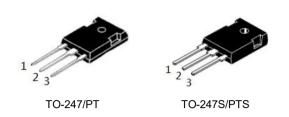
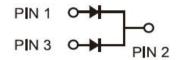


ULTRAFAST RECOVERY RECTIFIERS





Primary Characteristic			
I _o	2*30A		
V_{RRM}	600V		
I _{FSM}	420A		
V_{F}	1.06V		
T₃max	150℃		
Assembly code	EP		

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



APPLICATIONS

Fast recovery diode, mainly used for rectification, used in high-power equipment, The express and ultrafast recovery diodes are suitable for high frequency and ultra high frequency circuits, respectively

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

Maximum Ratings (Per Le	eg) at Ta=25	°C unless	otherwise specified	
Characteristics		Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	600	V
Working Peak Reverse Voltage		V_{RWM}	600	V
Maximum DC Blocking Voltage		V_{DC}	600	V
Maximum Average Forward Rectified	Per Leg	,	30	٨
Current	Total	I _O	60	Α
Peak Forward Surge Current,8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		I _{FSM}	420	А
Operating Temperature Range		T_J	150	°C
Storage Temperature Range		T _{STG}	-40 to +150	°C
Typical Thermal Resistance (Note1)		R _{0 JC}	2	°C/W
Note1: Thermal resistance from Junction	to case per leg moi	inted on heatsin	ık	

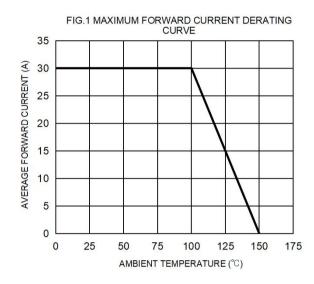
Note1: Thermal resistance from Junction to case per leg mounted on heatsink.

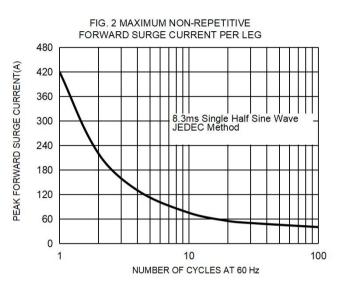
Electrical Characteristics (Per Leg) unless otherwise specified					
Characteristics		Symbol	Value		Unit
Forward Voltage Drop(Note2)			Тур.	Max.	
at L = E A	TA=25°C	V _F	0.91	-	
at I _F =5A	TA=125°C		0.71	-	Ì
ot I =104	TA=25°C		1.02	-	V
at I _F =10A	TA=125°C		0.82	-	
at I _F =30A	TA=25°C		1.24	1.59	
	TA=125°C]	1.06	-	
Maximum Reverse Current at V _R =600V	TA=25°C	I _R	0.1	1	μA
	TA=125°C		15	-	μA
Maximum Reverse Recovery Time at I _F =0.5A, I _R =1A,		Trr	-	50	ns

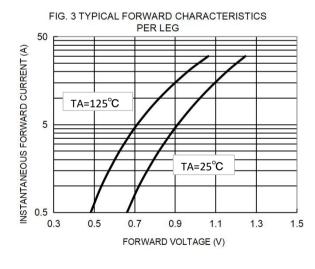
Note2:Pulse test: 300 µs pulse width, 1 % duty cycle

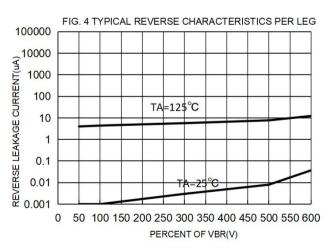


RATINGS AND CHARACTERISTIC CURVES





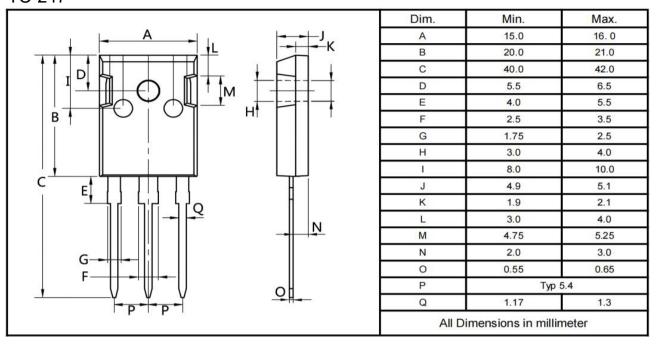




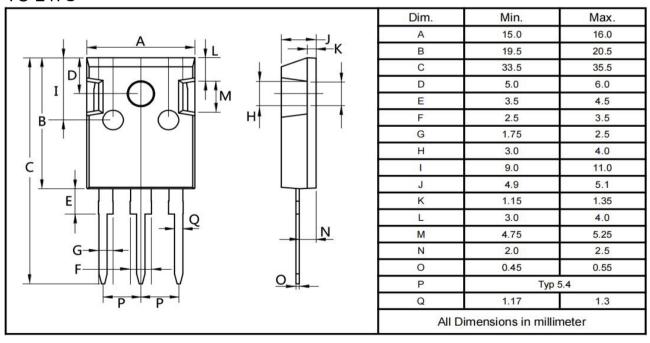


Package Outline Dimensions millimeters

TO-247

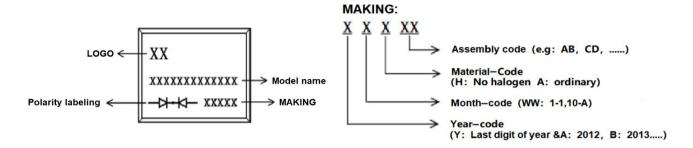


TO-247S





Marking on the body



Ordering information					
Part Number	Package	Unit Weight	Base Quantity	Delivery mode	
MUR6060PT	TO-247	0.209oz(5.93g)	30 pcs / tube	600pcs/box 3000pcs/carton	
MUR6060PTS	TO-247S	0.158oz(4.48g)	30 pcs / tube	600pcs/box 3000pcs/carton	

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

packing instruction

PKG	最小包装	内盒	外箱	
TO-247 TO-247S			WEATO WEATO WEATO WEATO	
	30PCS/管	600pcs/盒	3000pcs/箱	

Notice

- 1. All product, product specifications and data are subject to change without notice to improve. The right to explain is owned by LINGXUN electronics company.
- 2. Confirm that operation temperature is within the specified range described in the product specification. Avoid applying power exceeding normal rated power;

exceeding the power rating under steady-state loading condition may negatively affect product performance and reliability.

3. LINGXUN electronics shall not be in any way responsible or liable for failure induced under deviant condition from what is defined in this document.