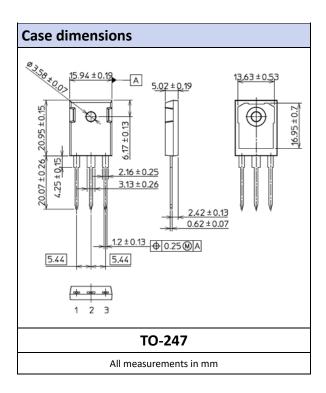


Barrier Rectifier Diode

Primary characteristics				
Parameter	Value	Unit		
Peak repetitive reverse voltage	600	V		
Maximum Average Forward Rectified Current (per device)	30	А		

Features

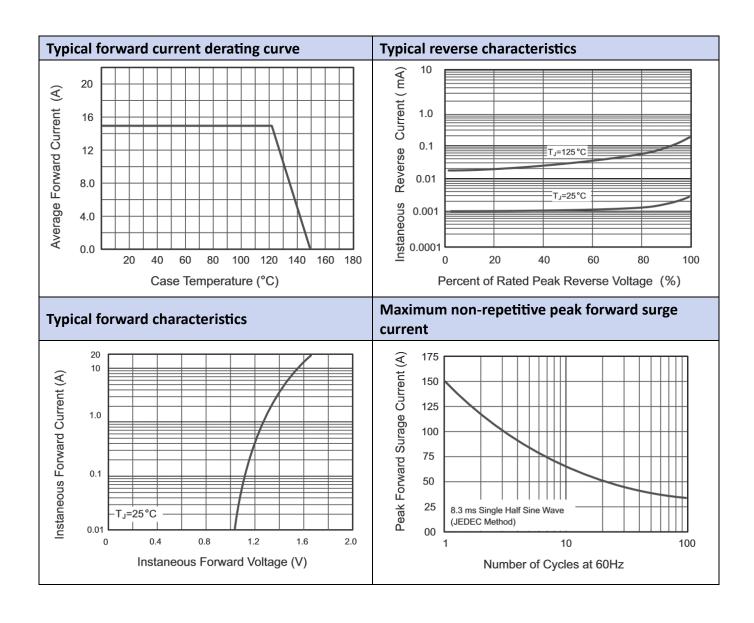
- TO-247 case for easy automatic insertion.
- Pb-free and RoHS compliant
- High surge forward current capability
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability
- Solder dip temperature: 275°C max., 7s, per JESD22-B106
- Approx. weight: 6.3g / 0.22oz



Maximum ratings (per leg, T _a = 25°C)						
Parameter		Symbol	Value	Unit		
Maximum repetitive peak reverse voltage		V _{RRM}	600			
Maximum RMS voltage		V _{RMS}	420	V		
Maximum DC blocking voltage		V _{DC}	600			
Maximum average forward rectified current	Per leg		15			
	Total	l _{F(AV)}	30	Α		
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	300			
Instantaneous forward voltage at 15A (per le	eg)	V _F	1.6	V		
Maximum instantaneous reverse current at rated DC blocking voltage	T _a =25°C		10			
	T _a =125°C	I _R	500	ųА		
Maximum reverse recovery time 1)		t _{rr}	35	ns		
Thermal resistance, junction to ambient air		R _e JC	4	°C/W		
Operating junction and storage temperature range		T _j , T _{STG}	-55 ~ 150	°C		
1) Reverse recovery test conditions I _F =0.5A, I _R =	1.0A, I _{rr} =0.25A			II.		

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Ordering information					
Part Number	Package	Shipping Quantity	Dimensions		
MUR3060PT	TO-247	30 pcs / tube			
		600 pcs / small box			
		2400 pcs / big box	530 x 190 x 255 mm		

Disclaimer

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