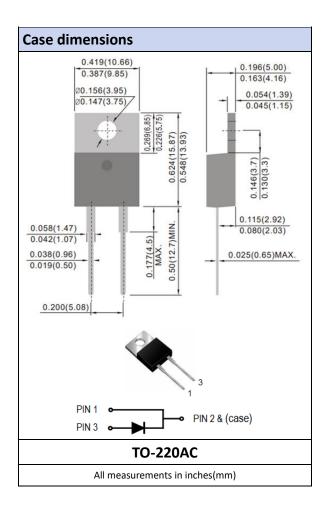


## **Standard Rectifier Diode**

Primary characteristics				
Parameter	Value	Unit		
Peak repetitive reverse voltage	1600	٧		
Maximum Average Forward Rectified Current (per device)	10	А		

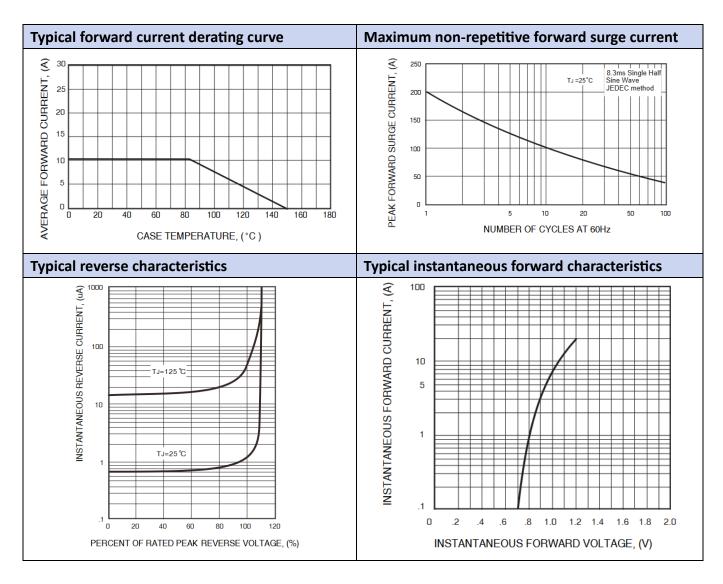
## **Features**

- TO-220AC case for easy automatic insertion.
- Pb-free and RoHS compliant
- Glass passivated chip junctions
- Low reverse current operation
- High junction temperature
- High forward surge capability
- Solderable per MIL-STD-202, Method 208
- Terminals: puretin plated
- Approx. weight: 1.8g



Maximum ratings (T <sub>a</sub> = 25°C)						
Parameter		Symbol	Value	Unit		
Maximum repetitive peak reverse voltage		V <sub>RRM</sub>	1600			
Maximum RMS voltage		V <sub>RMS</sub>	1120	V		
Maximum DC blocking voltage		V <sub>DC</sub>	1600			
Maximum average forward rectified current		I <sub>AV</sub>	10			
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I <sub>FSM</sub>	200	А		
Typical thermal resistance <sup>1)</sup>		ReJC	2.5	°C/W		
Typical forward voltage per leg at 10A		V <sub>F</sub>	1.2	V		
Maximum average reverse current at rated DC	T <sub>J</sub> =25°C		5.0			
blocking voltage	T <sub>J</sub> =125°C	I <sub>R</sub>	250	μΑ		
Operating junction and storage temperature range		T <sub>j</sub> , T <sub>STG</sub>	-55 ~ 150	°C		
1) Thermal resistance from junction to case				•		





Ordering information						
Part Number	Package	Shipping Quantity	Dimensions			
G10160AC	TO-220AC	1000 pcs				

## Disclaimer

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