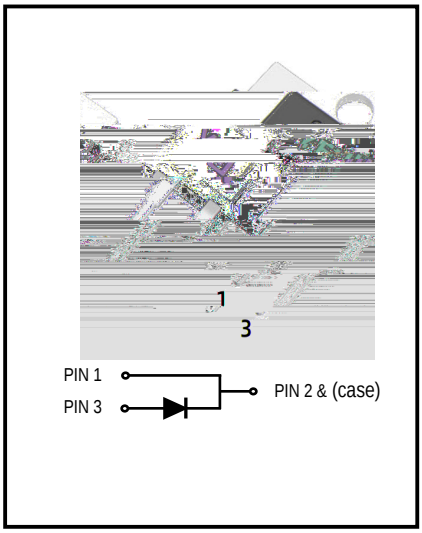


- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed 260°C/10 seconds at terminals

- Case :TO-220AC/DA
- Terminals : Solder plated, solderable per MIL-STD-750,Method 2026
- Polarity : Polarity symbol marking on body
- Mounting Position : Any

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load, for capacitive load current derate by 20%.

Maximum repetitive peak reverse voltage		50	100	200	400	500	600	
Maximum RMS voltage		35	70	140	280	350	420	
Maximum DC blocking voltage		50	100	200	400	500	600	
Maximum average forward rectified current at T =110 °C		16						
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load		200						
Maximum instantaneous forward voltage at 16A		1.2			1.6	2.2		
Maximum DC reverse current T =25 °C at rated DC blocking voltage T =125 °C		10 500						
Maximum reverse recovery time		35			60			
Typical thermal resistance		35.0						
Operating junction temperature range		-55 to +150						
Storage temperature range		-55 to +150						

1.Reverse recovery time test condition: IF=0.5A IR=1.0A Irr=0.25A

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT



FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PERLEG

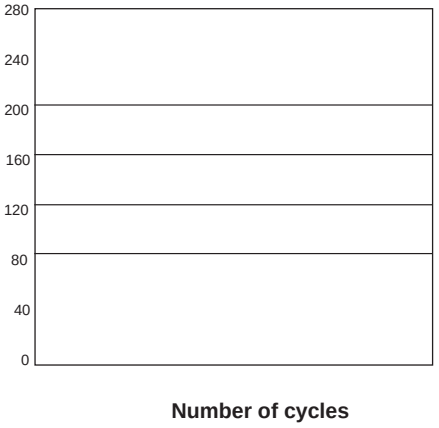


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise. The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices),YFW or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale. This publication supersedes & replaces all information previously supplied. For additional information, please visit our website https://www.yfwdiode.com, or consult YFW sales office for further assistance.