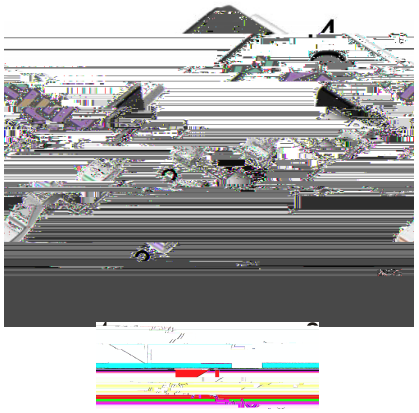


TO-252(D-PAK)

High current capability
Low forward voltage drop
High surge capability
High temperature soldering guaranteed
Mounting position: any
Lead free in comply with EU RoHS 2011/65/EU directives

Case: TO-252(D-PAK)
Terminals: Solderable per MIL-STD-750, Method 2026
Approx. Weight: 0.32g /0.011oz

Maximum Repetitive Peak Reverse Voltage		45	
Maximum RMS voltage		31.5	
Maximum DC Blocking Voltage		45	
Maximum Average Forward Rectified Current		10	
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)		150	
Typical Junction Capacitance (1)		620	
Typical Thermal Resistance (2)		45	
Operating Junction Temperature Range		-55 ~ +150	
Storage Temperature Range		-55 ~ +150	

( )
( )

Breakdown voltage per diode		=0.5mA	45	-	-	
Instantaneous forward voltage per diode		=2A	-	0.30	-	
		=5A =25°C	-	0.38		
		=10A	-	0.42	0.50	
		=2A	-	0.25		
		=5A =125°C	-	0.35	-	
		=10A	-	0.38		
Reverse current per diode		=36V	-	5	-	
		=45V =25°C	-	-	50	
		=125°C		5.5	-	

Fig.1 TYPICAL FORWARD CURRENT DERATING CURVE

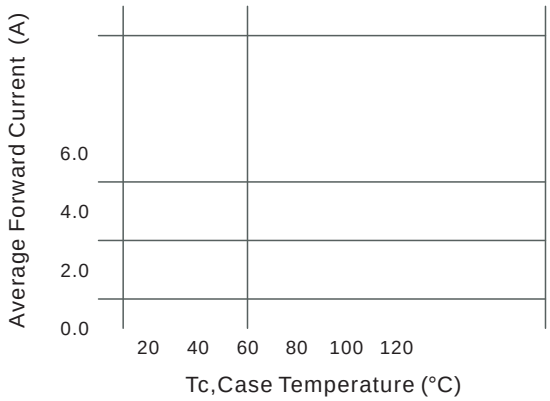
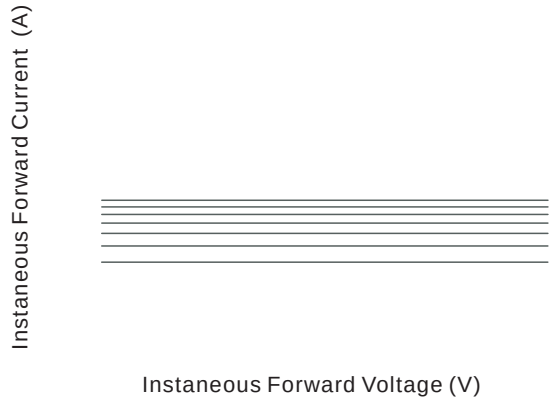


Fig.3 Typical Forward Characteristic



Marking Diagram

Ordering information

Model name	Package	Unit Weight	Base Quantity	Packing Quantity

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