



Direct Channel Worldwide Corp.

8F., No. 14, San Ming Rd., Shindian City, Taipei County 231,
Taiwan (R.O.C)
T: 886 2 8911 3828 F: 886 2 8911 3829

10A01 THRU 10A07

Features

- Diffused Junction
- High Current Capability and Low Forward Voltage Drop
- Surge Overload Rating to 600A Peak
- Low Reverse Leakage Current
- Plastic Material - UL Flammability Classification 94V-0

10 Amp Rectifier 50 to 1000 Volts

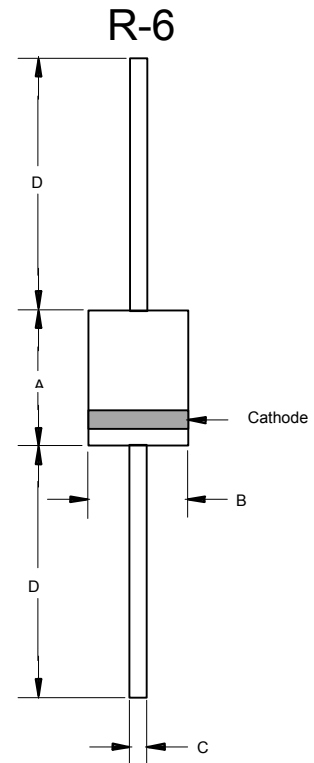
Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C

Item Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
10A01	---	50V	35V	50V
10A02	---	100V	70V	100V
10A03	---	200V	140V	200V
10A04	---	400V	280V	400V
10A05	---	600V	420V	600V
10A06	---	800V	560V	800V
10A07	---	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	10 A	$T_A = 50^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	400A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.0V	$I_{FM} = 10A;$ $T_A = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μ A 100 μ A	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$
Typical Junction Capacitance	C_J		
Resistance Junction to Ambien	R_{QJA}	10K/W	



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.340	.360	8.60	9.10	
B	.340	.360	8.60	9.10	
C	.048	.052	1.20	1.30	
D	1.000	---	25.40	---	

*Pulse Test: Pulse Width 300 μ sec, Duty Cycle 1%

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www.directchannel.com.tw

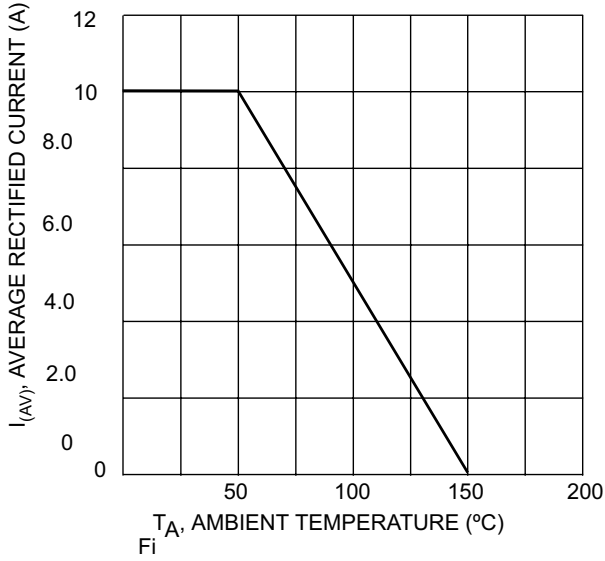
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g. 1 Forward Current Derating Curve

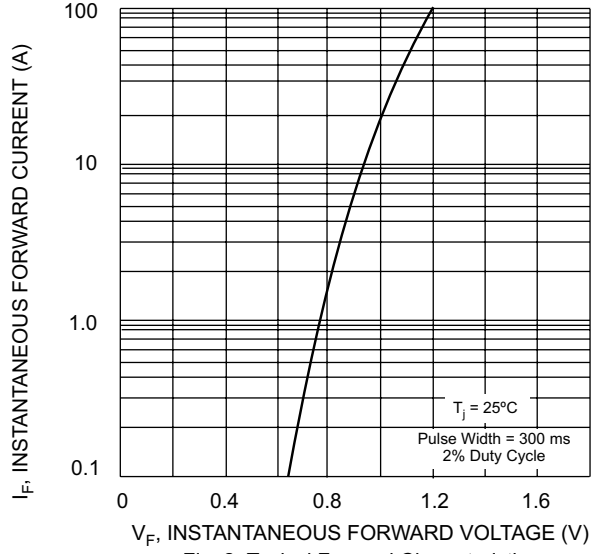


Fig. 2 Typical Forward Characteristics

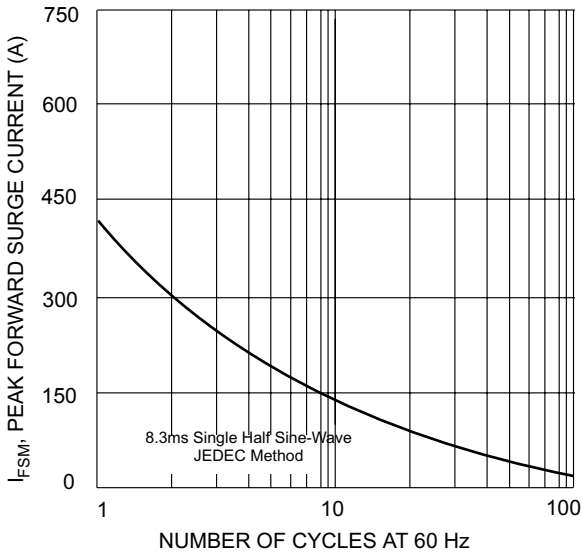


Fig. 3 Maximum Non-Repetitive Peak Forward Surge Current

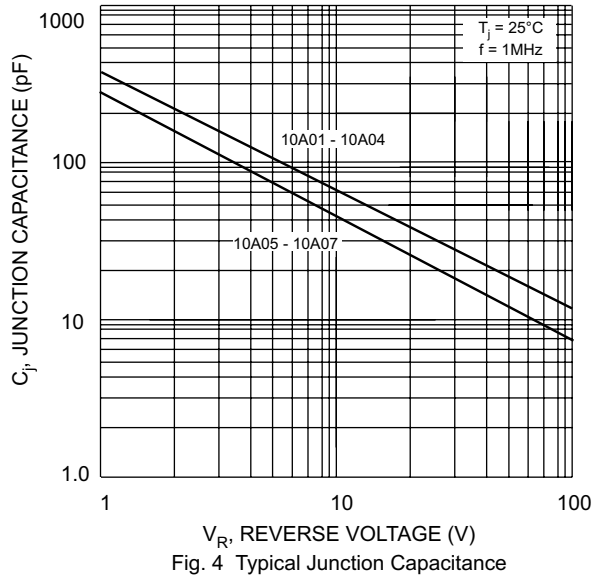


Fig. 4 Typical Junction Capacitance