

Features

- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- High Current Capability, High Reliability

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 40°C/W Junction to Ambient

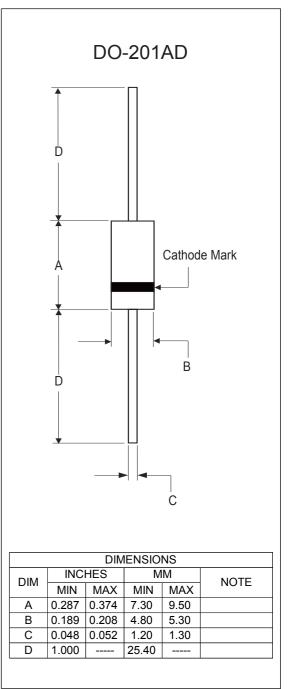
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SF61G	SF61G	50V	35V	50V
SF62G	SF62G	100V	70V	100V
SF63G	SF63G	150V	105V	150V
SF64G	SF64G	200V	140V	200V
SF65G	SF65G	300V	210V	300V
SF66G	SF66G	400V	280V	400V
SF67G	SF67G	500V	350V	500V
SF68G	SF68G	600V	420V	600V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	6.0A	T _A =50°C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage SF61G-SF64G SF65G-SF66G SF67G-SF68G	V _F	0.975V 1.3V 1.7V	I _{FM} =6.0A; T _A =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μA 150μA	T _A =25⁰C; T _A =125⁰C
Maximum Reverse Recovery Time	t _{rr}	35ns	I _F =0.5A; I _R =1.0A; I _{RR} =0.25A
Typical Junction Capacitance SF61G-SF64G SF65G-SF68G	CJ	120pF 90pF	Measured at 1.0MHz, V _R =4.0V

Note :1. High Temperature Solder Exemption Applied, See EU Directive Annex Notes 7a.

6.0 Amp Glass Passivated Super Fast Recovery Rectifier 50 to 600 Volts





Curve Characteristics

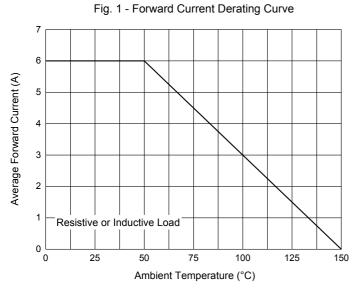
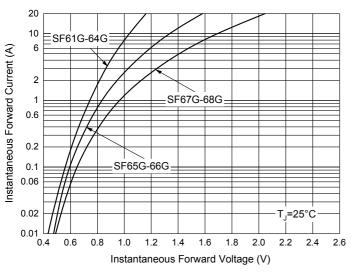
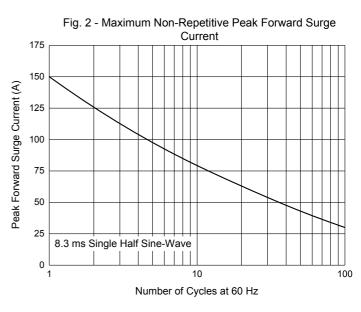
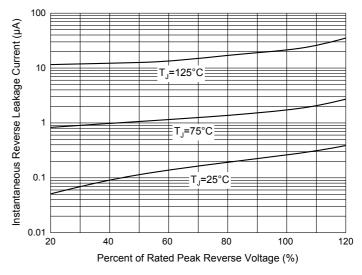


Fig. 3 - Typical Instantaneous Forward Characteristics











Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 1.2Kpcs/Reel
Part Number-AP	Ammo Packing: 1.2Kpcs/Ammo Box
Part Number-BP	Bulk:500pcs/Box,12Kpcs/Carton

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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