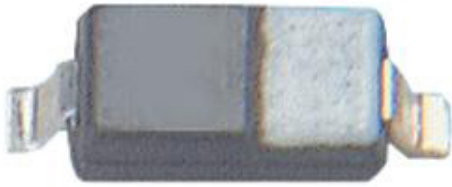


Schottky Barrier Rectifier multicomp^{PRO}

RoHS
Compliant



Features

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High forward surge current capability
- High temperature soldering guaranteed:
250 C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

Mechanical Data

Case : JEDEC SOD-123FL molded plastic body
Terminals : Plated axial leads, solderable per MIL-STD-750, Method 2026
Polarity : Colour band denotes cathode end
Mounting Position : Any
Weight : 0.0007 ounce, 0.02 grams

Maximum Ratings and Electrical Characteristics

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

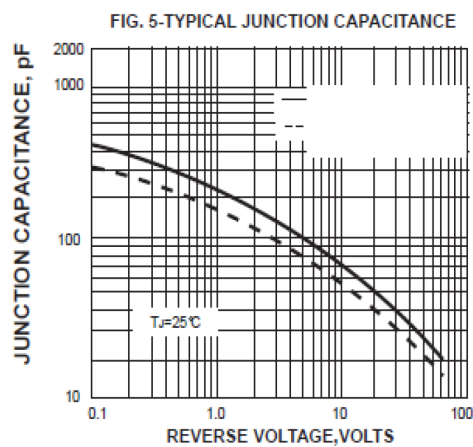
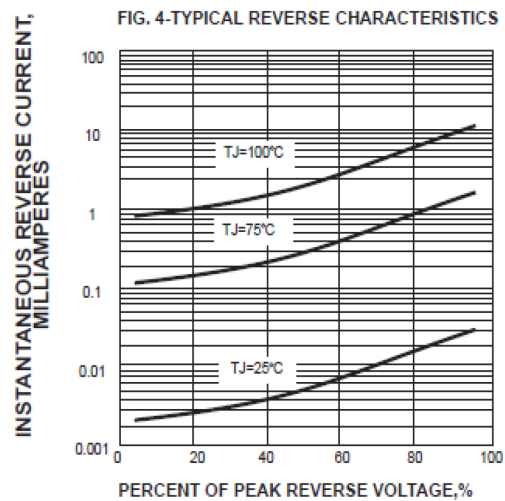
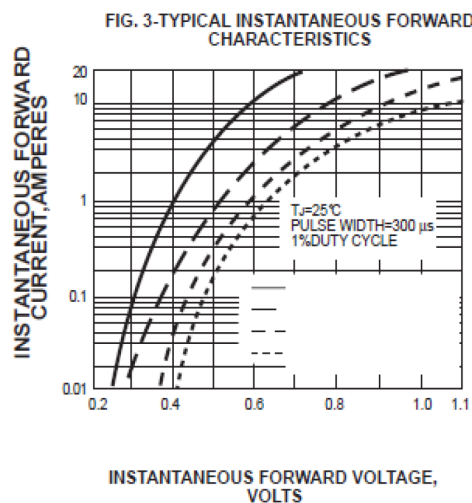
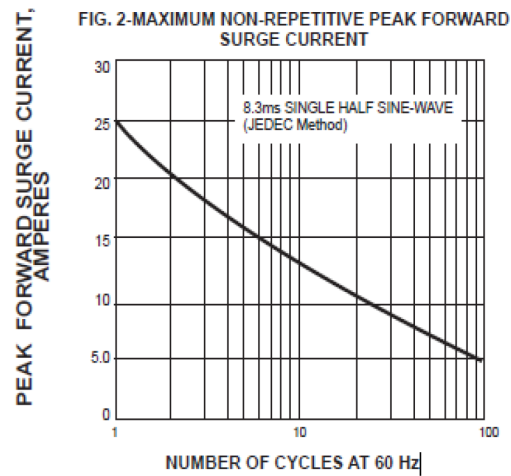
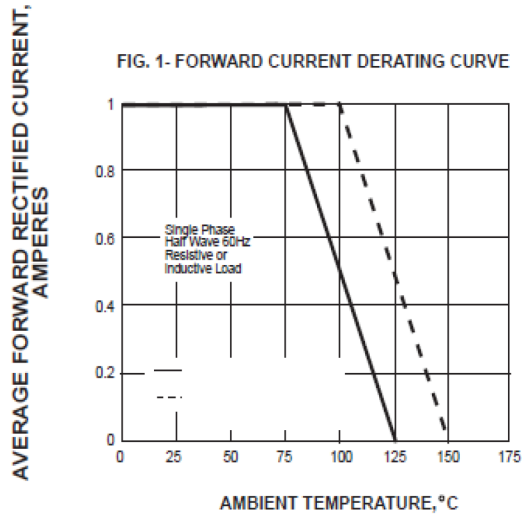
Characteristics	Symbol	MP008597	MP008598	MP008599	MP008600	MP008601	MP008602	MP008603	MP008604	MP008605	MP008606	MP008607	UNIT	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	70	80	90	100	150	200	V	
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	49	56	63	70	105	140	V	
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	70	80	90	100	150	200	V	
Maximum Average Forward Rectified Current	I _(AV)	1.0											A	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed On Rated Load (JEDEC Method)	I _{FSM}	25											A	
Maximum Forward Voltage at 1.0A DC	V _F	0.55			0.7		0.85					0.95	V	
Maximum DC Reverse Current @TA=25°C at Rated DC Blocking Voltage @TA=100°C	I _R	0.5								0.2				
		10						5		2				
Typical junction capacitance (NOTE 1)	C _J	110			80								Pf	
Operating junction Temperature Range	T _J	-65 to + 125						-65 to + 150						°C
Storage Temperature Range	T _{STG}	-65 to + 150											°C	
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2. The typical data above is for reference only.														

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Schottky Barrier Rectifier **multicomp**PRO

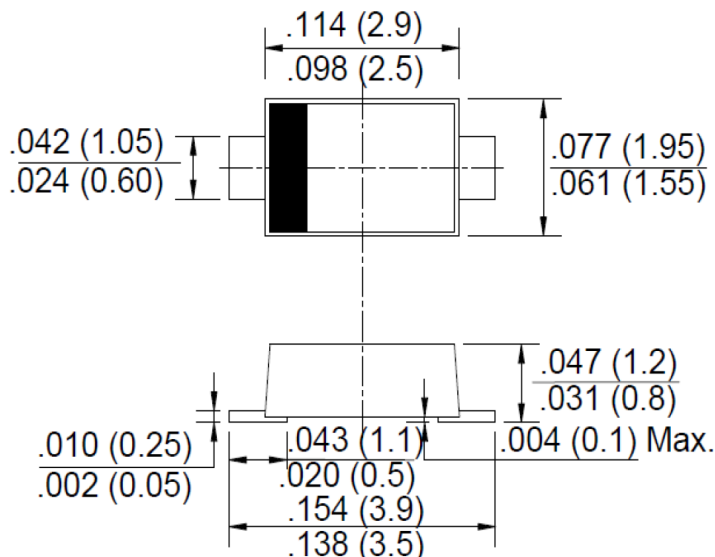
Rating and Characteristic Curves



Schottky Barrier Rectifier multicomp^{PRO}

Package Dimensions

SOD-123FL



Dimensions : Millimetres

Part Number Table

Description	Part Number
Schottky Barrier Rectifier, 1A, 20V, SOD-123FL	MP008597
Schottky Barrier Rectifier, 1A, 30V, SOD-123FL	MP008598
Schottky Barrier Rectifier, 1A, 40V, SOD-123FL	MP008599
Schottky Barrier Rectifier, 1A, 50V, SOD-123FL	MP008600
Schottky Barrier Rectifier, 1A, 60V, SOD-123FL	MP008601
Schottky Barrier Rectifier, 1A, 70V, SOD-123FL	MP008602
Schottky Barrier Rectifier, 1A, 80V, SOD-123FL	MP008603
Schottky Barrier Rectifier, 1A, 90V, SOD-123FL	MP008604
Schottky Barrier Rectifier, 1A, 100V, SOD-123FL	MP008605
Schottky Barrier Rectifier, 1A, 150V, SOD-123FL	MP008606
Schottky Barrier Rectifier, 1A, 200V, SOD-123FL	MP008607

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