

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%

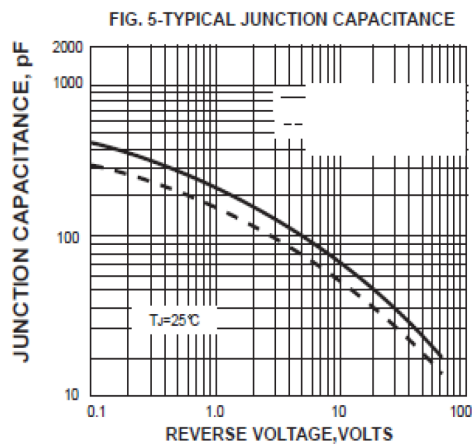
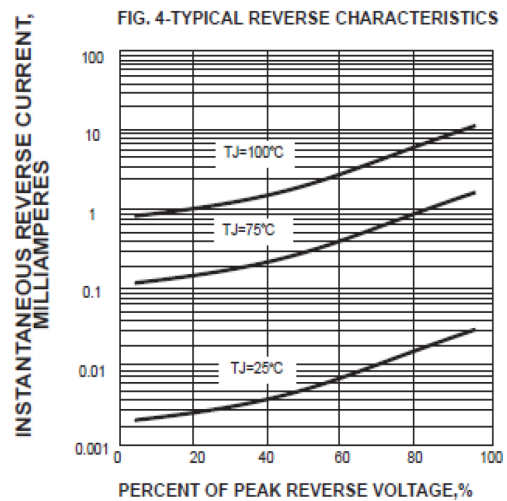
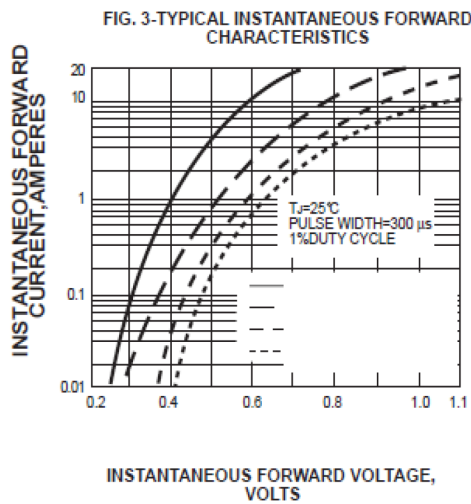
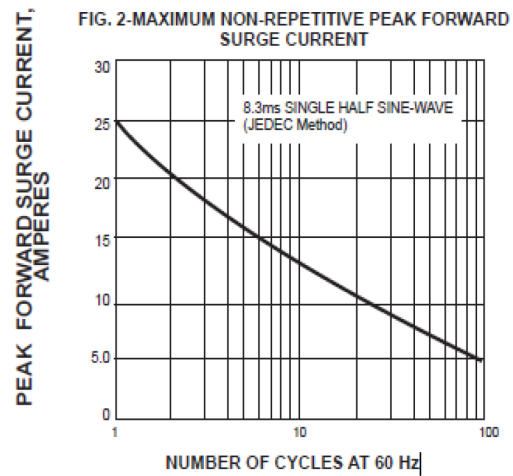
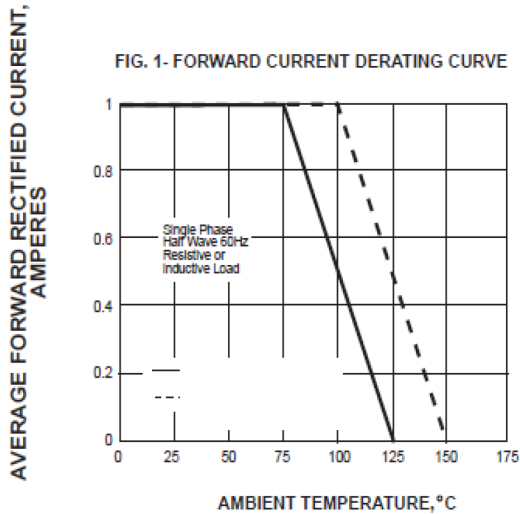
Characteristics	Symbol	MP008597	MP008598	MP008599	MP008600	MP008601	MP008602	MP008603	MP008604	MP008605	MP008606	MP008607	UNIT	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	70	80	90	100	150	200	V	
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	49	56	63	70	105	140	V	
Maximum DC Blocking Voltage	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 at Rated DC Blocking Voltage	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.														

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 sg.element14.com/b/multicomp-pro

multicomp^{PRO}

Schottky Barrier Rectifier **multicomp**PRO

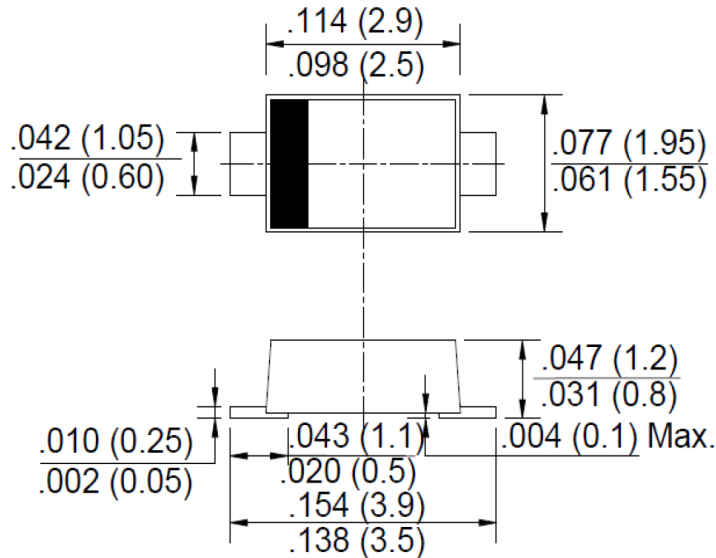
Rating and Characteristic Curves



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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 sg.element14.com/b/multicomp-pro

multicompPRO