

Silicon Bridge Rectifier

$V_{RRM} = 50\text{ V} - 1000\text{ V}$
 $I_F = 1.5\text{ A}$

Features

- Types up to 1000 V V_{RRM}
- Ideal for printed circuit board
- Low forward voltage drop
- High temperature soldering guaranteed: 250°C/ 10 seconds, 0.375" lead length
- Low leakage current

WOM Package



Mechanical Data

Case: Plastic

Polarity: Color band on body denotes cathode

Mounting position: Any

Terminals: Plated leads, solderable per MIL-STD-202

Method 208 guaranteed

Weight: 1.07 grams, 0.038 oz

Maximum ratings, at $T_j = 25\text{ °C}$, unless otherwise specified

Parameter	Symbol	Conditions	W005M	W01M	W02M	W04M	Unit
Repetitive peak reverse voltage	V_{RRM}		50	100	200	400	V
RMS reverse voltage	V_{RMS}		35	70	140	280	V
DC blocking voltage	V_{DC}		50	100	200	400	V
Continuous forward current	I_F	$T_C \leq 50\text{ °C}$	1.5	1.5	1.5	1.5	A
Surge non-repetitive forward current, Half Sine Wave	$I_{F,SM}$	$T_C = 25\text{ °C}$, $t_p = 8.3\text{ ms}$	50	50	50	50	A
Operating temperature	T_j		-65 to 125	-65 to 125	-65 to 125	-65 to 125	°C
Storage temperature	T_{stg}		-65 to 150	-65 to 150	-65 to 150	-65 to 150	°C

Electrical characteristics, at $T_j = 25\text{ °C}$, unless otherwise specified

Parameter	Symbol	Conditions	W005M	W01M	W02M	W04M	Unit
Diode forward voltage	V_F	$I_F = 1\text{ A}$, $T_j = 25\text{ °C}$	1	1	1	1	V
Reverse current	I_R	$V_R = 50\text{ V}$, $T_j = 25\text{ °C}$	10	10	10	10	μA
		$V_R = 50\text{ V}$, $T_j = 100\text{ °C}$	500	500	500	500	

Thermal characteristics

Thermal resistance, junction - case	R_{thJC}		36.00	36.00	36.00	36.00	°C/W
-------------------------------------	------------	--	-------	-------	-------	-------	------

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

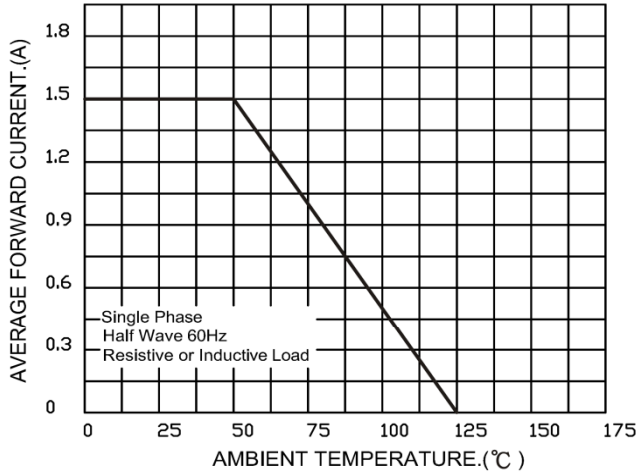


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

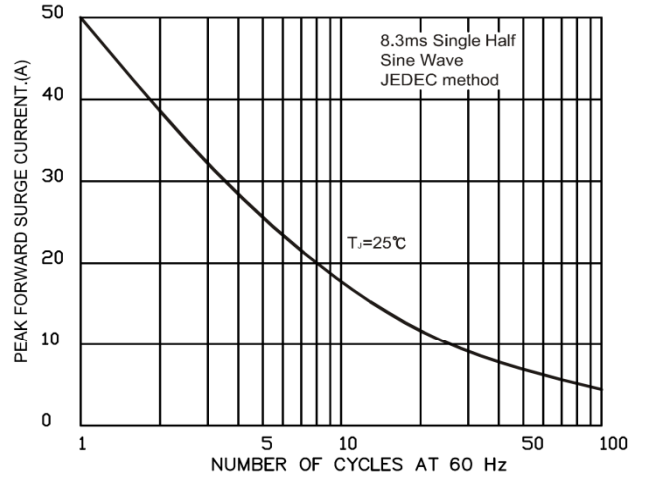


FIG.3-TYPICAL FORWARD CHARACTERISTICS

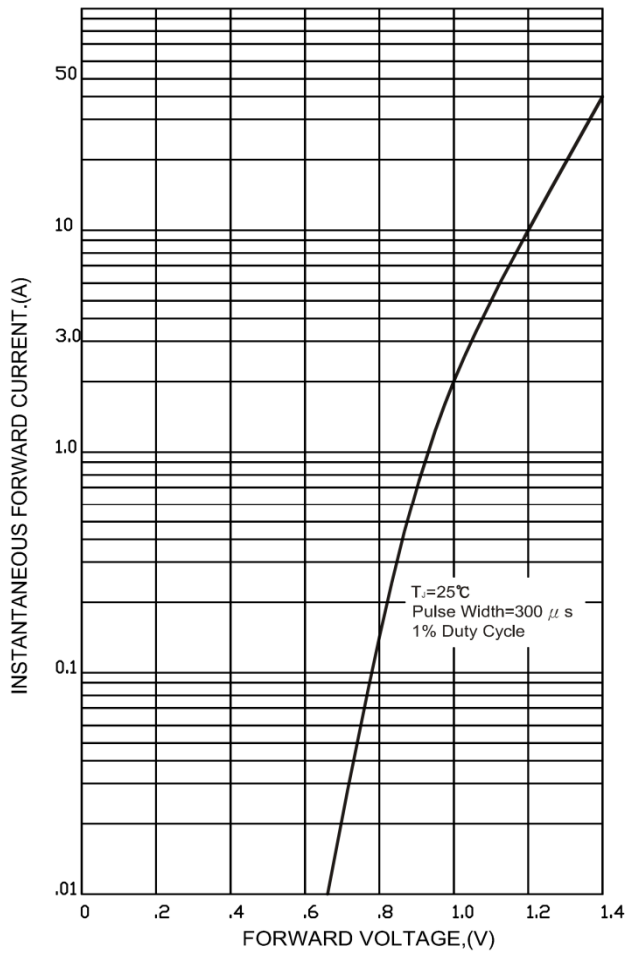
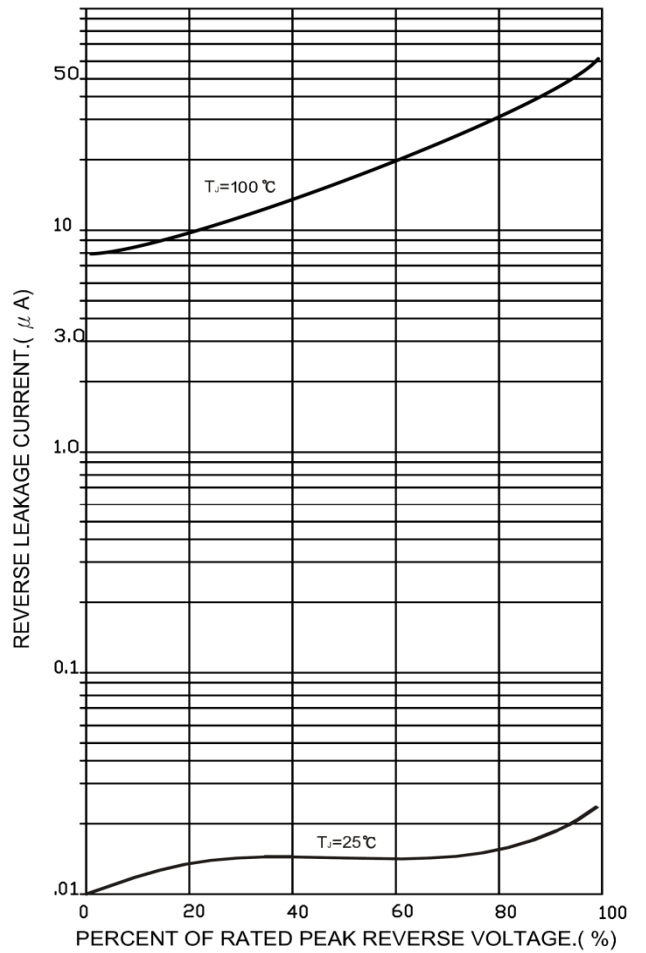


FIG.4-TYPICAL REVERSE CHARACTERISTICS



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bridge Rectifiers](#) category:

Click to view products by [GeneSiC Semiconductor](#) manufacturer:

Other Similar products are found below :

[MB2510](#) [MB252](#) [MB356G](#) [MB358G](#) [GBJ1504-BP](#) [GBU15J-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU6B-E3/45](#) [GSIB680-E3/45](#) [DB101-BP](#)
[DF01](#) [DF10SA-E345](#) [BU1508-E3/45](#) [KBPC50-10S](#) [RS405GL-BP](#) [G5SBA60-E3/51](#) [GBU10J-BP](#) [GBU6M](#) [GBU8D-BP](#) [GBU8J-BP](#)
[2KBB10](#) [36MB140A](#) [TB102M](#) [MB1510](#) [MB258](#) [MB6M-G](#) [MB86](#) [TL401G](#) [MDA920A2](#) [TU602](#) [TU810](#) [MP501W-BP](#) [MP502-BP](#)
[BR101-BP](#) [BR84DTP204](#) [BU2008-E3/51](#) [KBPC10/15/2501WP](#) [KBPC25-02](#) [DF06SA-E345](#) [DF1510S](#) [VS-40MT160PAPBF](#) [GBL02-E3/45](#)
[GBU4G-BP](#) [GBJ2506-BP](#) [GBU6B-E3/51](#) [GSIB15A80-E3/45](#) [DB104-BP](#) [TB354](#) [70MT160KPBF](#)