

1.5 Ampere Glass Passivated Bridge Rectifiers

Absolute Maximum Ratings* $T_{A} = 25^{\circ}C$ unless otherwise noted

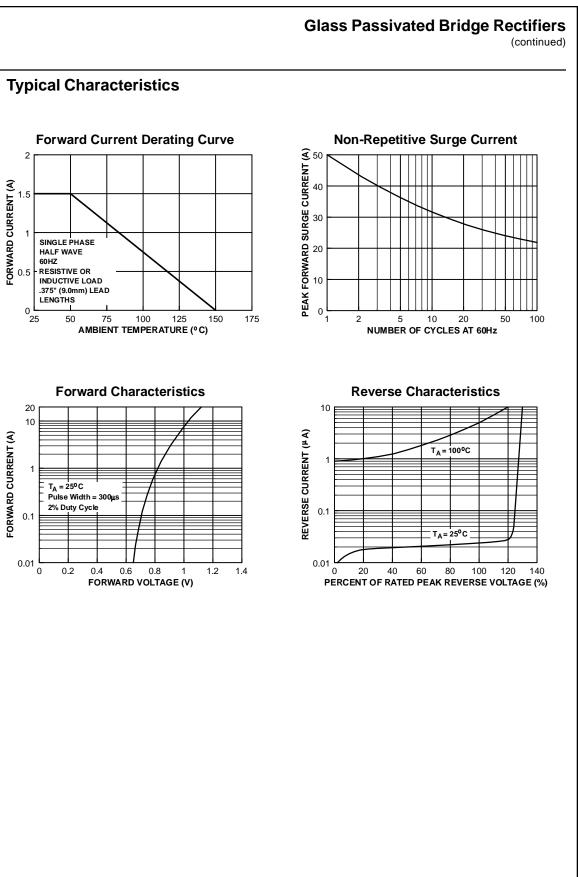
Symbol	Parameter	Value	Units		
I _{F(AV)}	Average Rectified Current @ $T_A = 50^{\circ}C$	1.5	A		
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms single half-sine-wave Superimposed on rated load (JEDEC method)	50	A		
P _D	Total Device Dissipation Derate above 25°C	3.47 28	W mW/°C		
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient,** per leg	36	°C/W		
$R_{\theta JL}$	Thermal Resistance, Junction to Lead,** per leg	11	°C/W		
T _{stg}	Storage Temperature Range	-55 to +150	°C		
TJ	Operating Junction Temperature	-55 to +150	°C		

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

**Device mounted on PCB with 0.375" (9.5 mm) lead length.

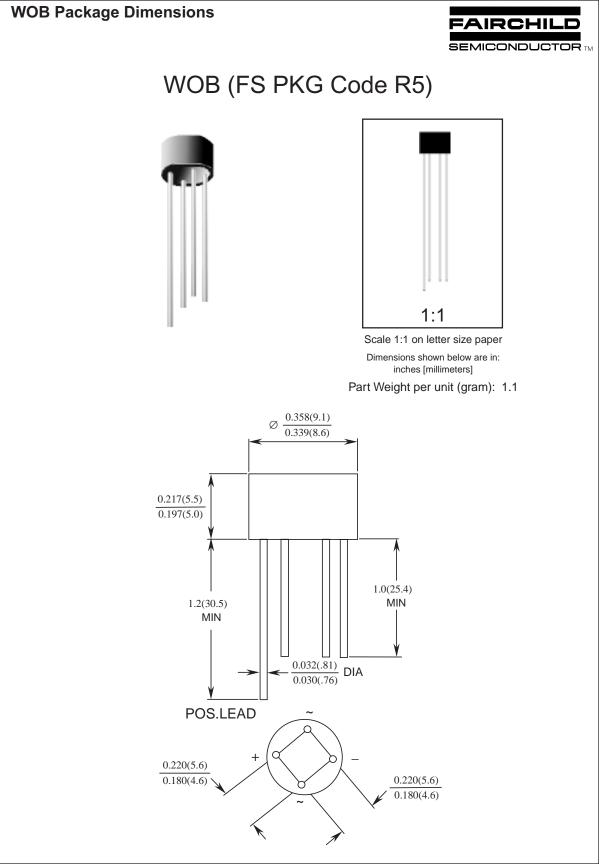
Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	ol Parameter		Device						Units	
			005G	01G	02G	04G	06G	08G	10G	
V _{RRM}	Maximum Repetitive Reverse Voltage		50	100	200	400	600	800	1000	V
V _{RMS}	Maximum RMS Bridge	Input Voltage	35	70	140	280	420	560	700	V
V _R	DC Reverse Voltage	(Rated V _R)	50	100	200	400	600	800	1000	V
I _{RM}		us Reverse Leakage, total $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$				5.0 500		-		μΑ μΑ
V _{FM}	Maximum Instantaneous Forward Voltage Drop, per bridge @ 1.0 A 1.0			V						
	I ² t rating for fusing	t < 8.3 ms	10		A ² s					
С	Typical Junction Capacitance, per leg $V_R = 4.0 V, f = 1.0 MHz$		15					pF		



W005G - W10G

W005G - W10G, Rev. A2



September 1999, Rev. A

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