

Symbol	Parameter	Value	Units		
lo	Average Rectified Current	2.0	А		
İf(surge)	Peak Forward Surge Current	60	А		
P _D	Total Device Dissipation Derate above 25°C	4.7 33	₩ mW/°C		
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient,** per leg	30	°C/W		
T _{stg}	Storage Temperature Range	-55 to +165	°C		
TJ	Operating Junction Temperature	-55 to +165	°C		

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

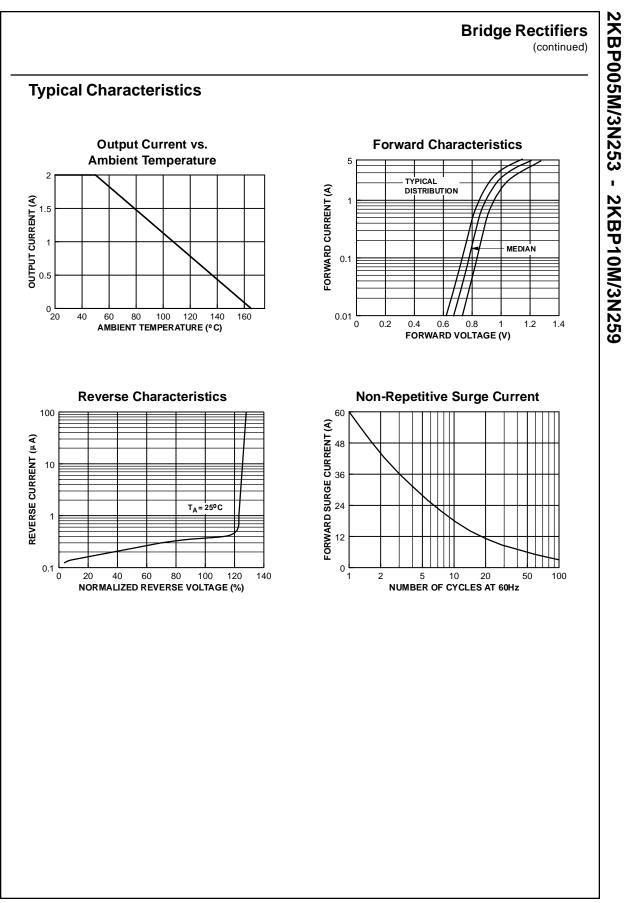
** Device mounted on PCB with 0.47×0.47 " (12×12 mm).

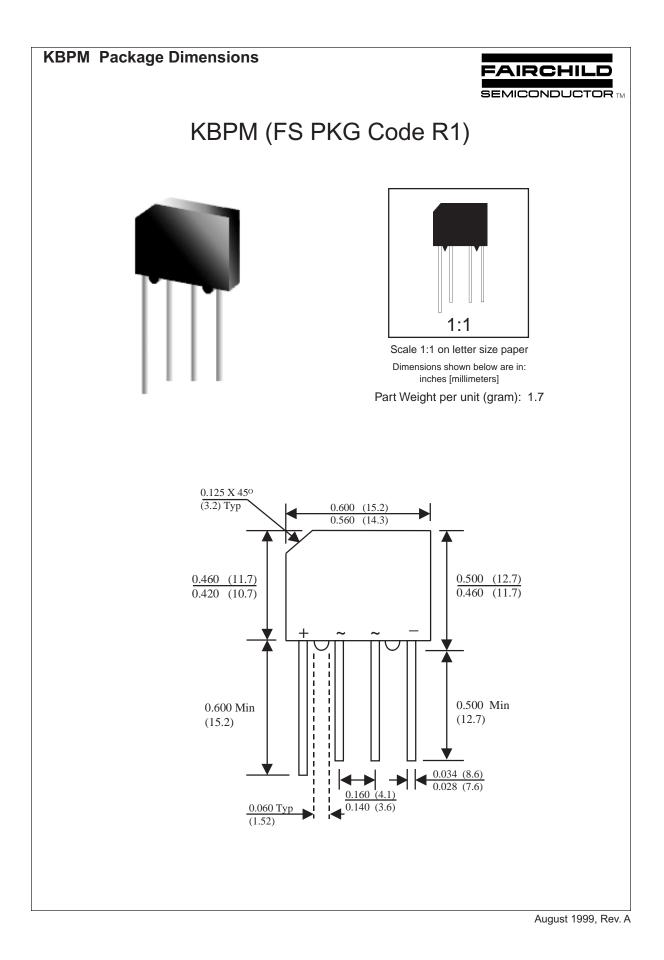
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Electrical Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

Parameter	Device						Units	
	005M	01M	02M	04M	06M	08M	10M	
	253	254	255	256	257	258	259	1
Peak Repetitive Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
DC Reverse Voltage (Rated V _R)	50	100	200	400	600	800	1000	V
Maximum Reverse Leakage, total bridge @ rated V _R $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$	5.0 500						μΑ μΑ	
Maximum Forward Voltage Drop, per bridge @ 3.14 A I ² t rating for fusing t < 8.35 ms	<u>1.1</u> 15							V A ² Sec
Typical Junction Capacitance, per leg $V_R = 4.0 V, f = 1.0 MHz$ 15 25					pF			





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