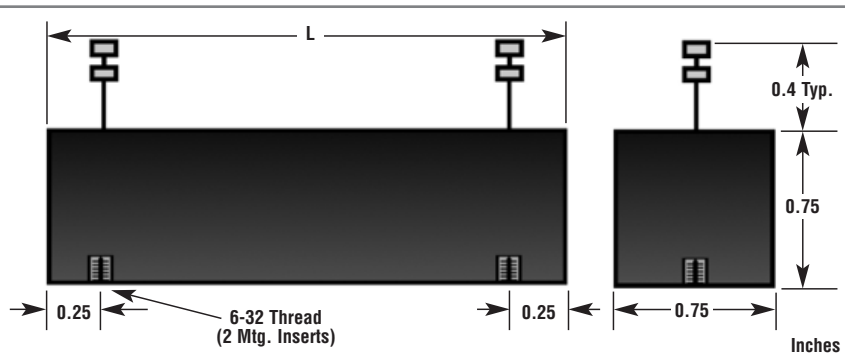




Rectifier Block

**FIGURE 10**

Part Number	Repetitive Peak Reverse Voltage V_{RRM} V	Avg. Forward Current Max. $I_{FAVM}@55^{\circ}\text{C}$ A	Max. Forward Voltage Drop $V_F@I_{FAVM}$ V	Max. Reverse Current $I_R@V_{RRM}@25^{\circ}\text{C}$ μA	Max. Surge Current $I_{FSM}(8.3\text{ms})$ A	Max. Reverse Recovery Time T_{RR} nS	Case L Inches
1HVK Series - Standard Recovery Block 1.0 Amp Glass Passivated Rectifier Assembly							Figure 10
1HV5K	5000	1.0	4.5	1.0	50	-	2.5
1HV8K	8000	1.0	7.2	1.0	50	-	3.5
1HV10K	10000	1.0	9.0	1.0	50	-	3.5
1HV15K	15000	1.0	14.0	1.0	50	-	5.0
1HV20K	20000	1.0	18.0	1.0	50	-	5.0
1HV25K	25000	0.75	22.0	1.0	50	-	6.0
1HV30K	30000	0.75	28.0	1.0	50	-	6.0
1HV40K	40000	0.75	36.0	1.0	50	-	7.0
1HV50K	50000	0.75	44.0	1.0	50	-	7.0
1HV60K	60000	0.75	56.0	1.0	50	-	7.0
1HVF Series - Fast Recovery Block 1.0 Amp Glass Passivated Rectifier Assembly T_{RR} 150nS							Figure 10
1HVF5K	5000	0.9	8.0	0.5	50	150	2.5
1HVF8K	8000	0.9	12.0	0.5	50	150	3.5
1HVF10K	10000	0.9	15.0	0.5	50	150	3.5
1HVF15K	15000	0.9	24.0	0.5	50	150	5.0
1HVF20K	20000	0.7	30.0	0.5	50	150	5.0
1HVF25K	25000	0.7	40.0	0.5	50	150	6.0
1HVF30K	30000	0.7	48.0	0.5	50	150	6.0
1HVF40K	40000	0.7	60.0	0.5	50	150	7.0
1HVF50K	50000	0.7	78.0	0.5	50	150	7.0
1HVUF Series - Ultra Fast Recovery Block 1.0 Amp Rectifier Assembly T_{RR} 75nS							Figure 10
1HVUF5K	5000	0.9	5.5	1.0	35	75	2.5
1HVUF8K	8000	0.9	8.8	1.0	35	75	3.5
1HVUF10K	10000	0.9	11.0	1.0	35	75	3.5
1HVUF15K	15000	0.9	17.0	1.0	35	75	5.0
1HVUF20K	20000	0.7	22.0	1.0	35	75	5.0
1HVUF25K	25000	0.7	28.0	1.0	35	75	6.0
1HVUF30K	30000	0.7	34.0	1.0	35	75	6.0
1HVUF40K	40000	0.7	44.0	1.0	35	75	7.0
1HVUF50K	50000	0.7	56.0	1.0	35	75	7.0
1HVFEK Series - Ultra Super Fast Recovery Block 1.0 Amp Fast Efficient Glass Passivated Rectifier Assembly T_{RR} 35nS							Figure 10
1HVFE3K	3000	1.0	15.0	1.0	50	35	5.0
1HVFE5K	5000	0.75	24.0	1.0	50	35	6.0
1HVFE10K	10000	0.75	48.0	1.0	50	35	7.0
1HVUSFK Series - Ultra Super Fast Recovery Block 1.0 Amp Rectifier Assembly T_{RR} 35nS							Figure 10
1HVUSF5K	5000	0.65	7.0	1.0	10	35	2.5
1HVUSF8K	8000	0.65	11.2	1.0	10	35	3.5
1HVUSF10K	10000	0.65	14.0	1.0	10	35	3.5
1HVUSF15K	15000	0.65	21.0	1.0	10	35	5.0
1HVUSF20K	20000	0.5	28.0	1.0	10	35	5.0
1HVUSF25K	25000	0.5	35.0	1.0	10	35	6.0
1HVUSF30K	30000	0.5	42.0	1.0	10	35	6.0
1HVUSF40K	40000	0.5	56.0	1.0	10	35	7.0
1HVUSF50K	50000	0.5	70.0	1.0	10	35	7.0

Available with resistor and capacitor or capacitor only compensation.

All listed products shipped on December 31, 2013 or later will be RoHS Compliant. Available earlier by special request, contact factory or sales rep for availability.