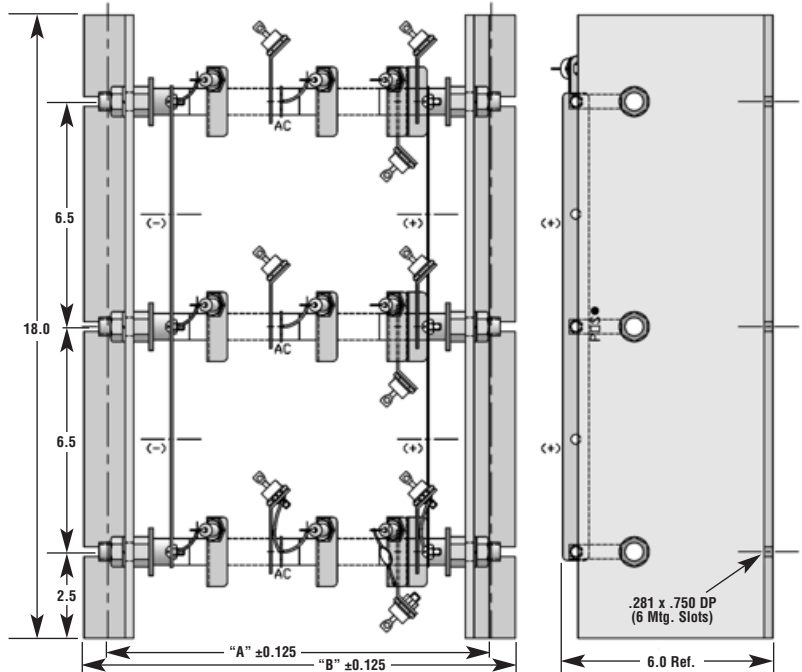
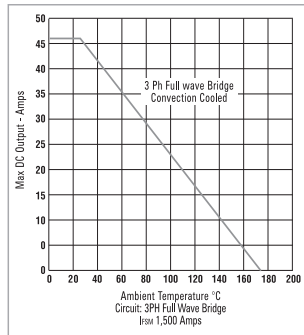
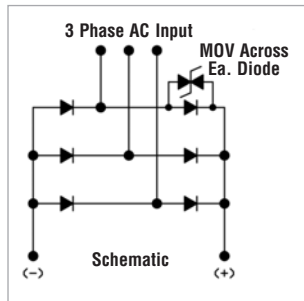


FIGURE 128


Part Number	Repetitive Peak Reverse Voltage V_{RRM} Per Leg ¹ V	Max. Applied Voltage ⁴ V	Avg. Forward Current Max. $I_{FAVM}@40^{\circ}C$ A	Max. Forward Voltage Drop $V_F@I_F$ Per Leg ¹ V	Max. Reverse Current $I_R@V_{RRM}@25^{\circ}C^5$ μA	Max. Surge Current I_{FSM}^3 A	Max. Reverse Recovery Time T_{RR} nS	Package Dimension A (Inches)	Package Dimension B (Inches)
3PH Series - High Current Full Wave Bridge									
3PHFWB40A4KV	4000	2000	40	4	<100	1500	-	8.161	9.38
3PHFWB40A8KV	8000	4000	40	8	<100	1500	-	10.411	11.63
3PHFWB40A12KV	12000	6000	40	12	<100	1500	-	12.661	13.88
3PHFWB40A16KV	16000	8000	40	16	<100	1500	-	14.911	16.13
3PHFWB40A20KV	20000	10000	40	20	<100	1500	-	17.161	18.38
3PHFWB40A24KV	24000	12000	40	24	<100	1500	-	19.411	20.63
3PHFWB40A28KV	28000	14000	40	28	<100	1500	-	21.661	22.88
3PHFWB40A32KV	32000	16000	40	32	<100	1500	-	23.911	25.13
3PHFWB40A36KV	36000	18000	40	36	<100	1500	-	26.161	27.38

 Maximum junction operating temperature $T_J = 180^{\circ}C$

Part Number	Repetitive Peak Reverse Voltage V_{RRM} Per Leg ¹ V	Max. Applied Voltage ⁴ V	Avg. Forward Current Max. $I_{FAVM}@40^{\circ}C$ A	Max. Forward Voltage Drop $V_F@I_F$ Per Leg ² V	Max. Reverse Current $I_R@V_{RRM}@25^{\circ}C^5$ μA	Max. Surge Current I_{FSM}^3 A	Max. Reverse Recovery Time T_{RR} nS	Package Dimension A (Inches)	Package Dimension B (Inches)
3PH Series - Medium Current Full Wave Bridge									
3PHFWB18A8KV	8000	4000	18	8	<100	1050	-	8.161	9.38
3PHFWB18A16KV	16000	8000	18	16	<100	1050	-	10.411	11.63
3PHFWB18A24KV	24000	12000	18	24	<100	1050	-	12.661	13.88
3PHFWB18A32KV	32000	16000	18	32	<100	1050	-	14.911	16.13
3PHFWB18A40KV	40000	20000	18	40	<100	1050	-	17.161	18.38
3PHFWB18A48KV	48000	24000	18	48	<100	1050	-	19.411	20.63

 Maximum junction operating temperature $T_J = 150^{\circ}$
¹ V_F measured at 14 Amperes Forward Current

² V_F measured at 6 Amperes Forward Current

³ 1/2 Sine(60Hz) @ $T_J=150^{\circ}C$
⁴ Individual diodes used in these assemblies are protected with MOVs. The clamp voltage of the MOVs is set considerably below the diode avalanche voltage. For this reason, the maximum safe input voltage applied to the bridge should not exceed 50% of the rated V_{RRM} .

⁵ Leakage current values include both MOV and diode leakage measured at 50% of V_{RRM} See note 4.

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.