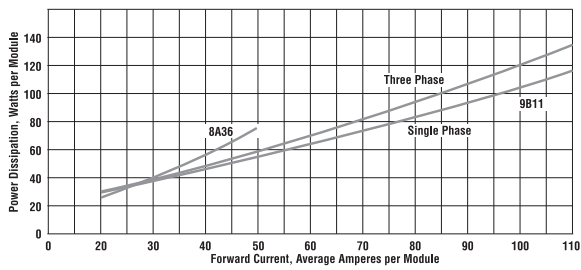


Electrical Characteristics Average Power Dissipation per Module



Part Number	Repetitive Peak Reverse Voltage V_{RRM} Per Leg ¹ kV	Max Applied Voltage V_{MA} kV	Avg. Forward Current Maximum@ 40°C Air A	70°C Oil A	Max. Forward Voltage Drop $V_F@I_F$ Per Leg V	Max. Forward Current $I_R@V_{MA}$ μ A	Max. Reverse Current I_{FSM} A	Max. Surge Overall Length (L) Inches	Figure
S Series - High Voltage Channel Stack Rectifiers									
SD17A12Z0817S	8	4	12	11	8.8	100	370	16.25	105
SD15A09Z0817S	32	16	2.4	4	36	100	370	16.25	105
SD16A14Z0625S	24	12	4	7	24	100	1050	22.25	105
SH13A03Z0508S	56	28	1	1.5	88	100	150	9.5	106
SH13A03Z1320S	145	72.5	1	1.5	208	100	150	18.5	106
SH16A14Z0612S	24	12	4	7	24	100	1050	12.5	106
SH15A09Z2020S	80	80	2.4	4	88	100	370	18.5	106
SH18A36Z3434S	34	17	15	26	38	100	1050	29	106
SH19B11Z1633S	16	8	33	70	24	100	3000	28.25	106
SB53A03Z0111S	11	5.5	1	1.5	16	100	150	11.75	101
SB56A14Z0111S	4	2	4	7	4.4	100	1050	11.75	101
SE53A03Z0223S	22	11	1	1.5	32	100	150	20.75	102
SE55A09Z0111S	4	2	2.4	4	4.4	100	370	11.75	102
SE58A36Z0323S	3	1.5	15	26	3.3	100	1050	20.75	102

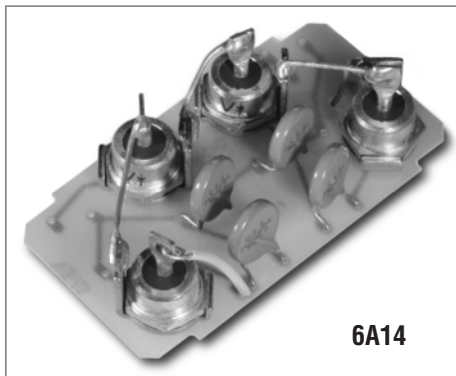
¹The true V_{RRM} of an MOV compensated unit is 2 times the max applied voltage. In this case the Max Applied Voltage of the assembly is limited by the Max Operating Voltage of the MOV used. Max Applied Voltage is the max safe peak voltage that can be repeatedly applied to the rectifier.

Maximum operating and storage temperature -40°C to 125°C

Each diode is rated @ 1000 Volts Peak and MOV compensated which gives an avalanche rating of 90 Joules maximum (8 x 20 μ S) and a nominal voltage of 680 volts.

For R-C compensation, drop the S suffix.

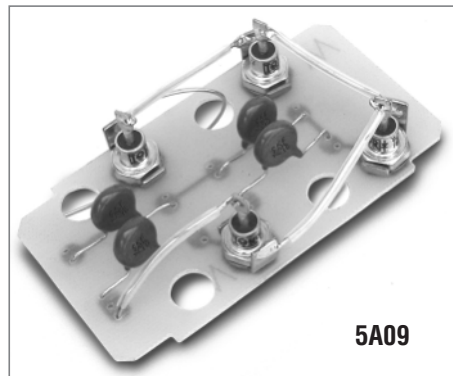
Product is available in RoHS compliant form. Unless RoHS compliance is requested, existing stocks of non-compliant materials are being shipped.



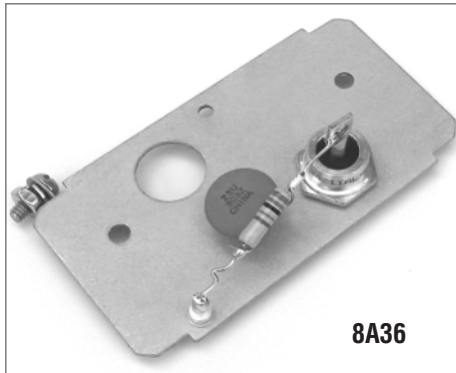
6A14



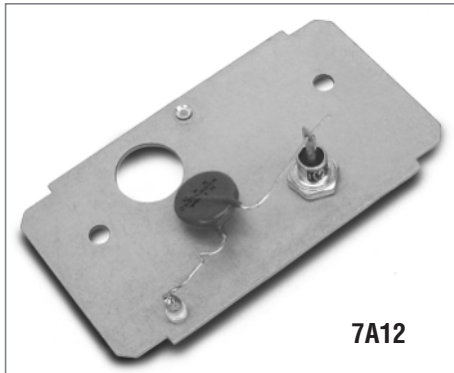
3A03



5A09



8A36



7A12



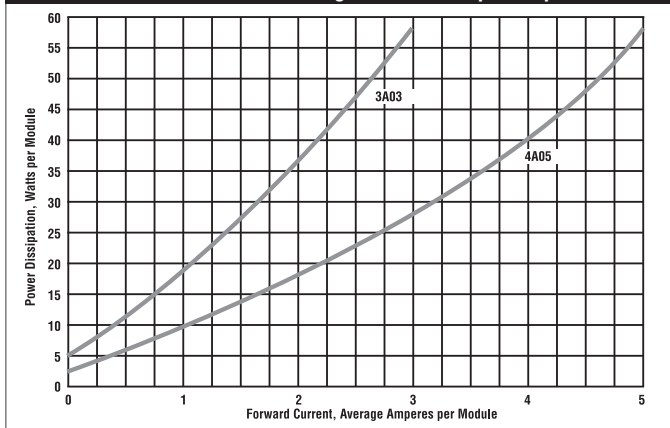
4A05

Product Description Number

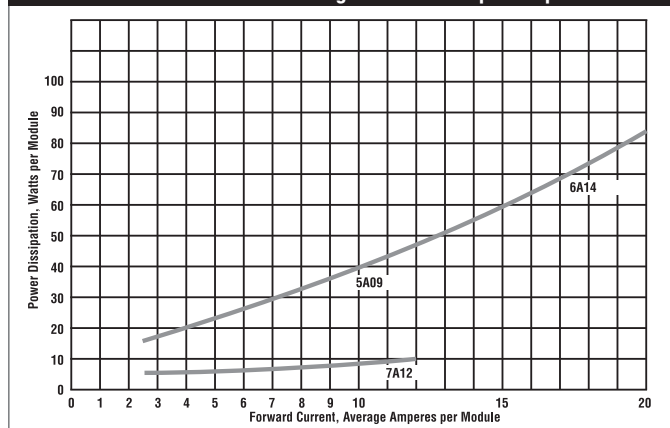
Circuit	Termination	Module (see above)	Modules (per Leg)	Channel No.
S *	1	7 A 1 2 Z	1 5	3 1
SH = Half Wave SD = Doubler SB = 1φ Bridge SE = 3φ Bridge	Please consult factory for other ends			To determine channel length in inches L=(3.5+channel number x .75 inches)

Module Type	Volts/ Board	Avg. Forward Current Max. $I_{FAVM}@T_c 40^{\circ}C$ A (Amps)	Max. Surge Current $I_{FSM}(8.3ms)$ A (Amps)
6A14	4kv	4.0	1050
3A03	16kv	1.2	150
5A09	4kv	2.4	370
8A36	1kv	15	1050
7A12	1kv	12	370
4A05	8kv	3.0	150

Electrical Characteristics Average Power Dissipation per Module



Electrical Characteristics Average Power Dissipation per Module



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