



Part Number	Repetitive Peak Reverse Voltage V_{RRM} kV	Max. Applied Voltage ¹ kV	Maximum Forward Current@50°C I_{FAVM}^2 A	Maximum Forward Current@50°C I_{FAVM}^3 A	Forward Voltage@25°C V_f^4 V	Max. Surge Current I_{FSM} A	Max Reverse Current I_R @M.O.V. T_J @25°C μA	Dim A Inches	Figure
CJ Series - Spiral Rectifier Stack									
CJ2V04H•S	8kV - 56kV	4kV - 28kV	3.25	6.25	16 - 48	370	<100	4 - 10.75	100
CJ2V06H•S	8kV - 56kV	4kV - 28kV	6	12	16 - 48	1500	<100	4 - 10.75	100
CJV04H•S	8kV - 56kV	4kV - 28kV	6.5	12.5	16 - 48	370	<100	5.125 - 17.5	52
CJV05H•S	8kV - 56kV	4kV - 28kV	10	22	16 - 48	800	<100	5.125 - 17.5	52
CJV06H•S	8kV - 56kV	4kV - 28kV	12	24	16 - 48	1500	<100	5.125 - 17.5	52

See datasheet for more item specific detail

- Peak inverse voltage ratings of 16kV to 48kV available. Replace the dot with the required voltage. i.e. CJV04H16S for 16kV MOV compensated or CJ206H44 for 44kV RC compensated.

¹ The true V_{RRM} of an MOV compensated unit is 2 times the max operating 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.

² Average current based on ambient air temperature of 50°C or below with convective cooling and free air movement around assembly.

³ Average current based on ambient air temperature of 50°C or below with at least 300 I_{FPM} airflow around the assembly.

⁴ Forward voltage V_f is approximately equal to the repetitive peak reverse voltage rating/1000. It is directly related to the number diodes in the string, each having a V_f of approximately 1.0 volts at rated current.

Each diode in the string is rated @ 1000V Peak and MOV compensated which gives an avalanche rating of 90 Joules maximum (8 x 20 μS) and a V_{NOM} of 680 volts. For R-C compensation, drop the S suffix.

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

Higher voltages, higher currents and fast recovery assemblies are available. Doublers and special configurations including special lengths are available. Contact the factory. UNLESS THE 'S' SUFFIX IS OMITTED THESE ASSEMBLIES WILL BE MOV COMPENSATED

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.