

## 2017 Recent Product Releases

Long Surface Mount High Voltage Diodes

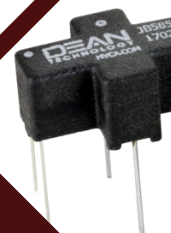
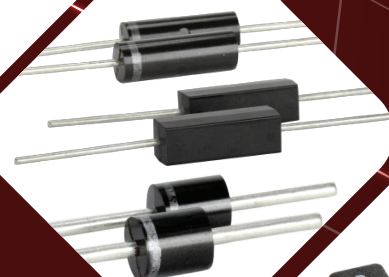
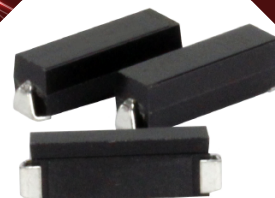
30kV High Voltage Diodes

High Current High Voltage Diodes

Automotive, High Temperature High Voltage Diodes

Miniature High Voltage Power Supplies

High Voltage Ceramic Capacitor Stacks



## About Us



Dean Technology, Inc. has a long and exceptional history providing world-class products, design, and

solutions for high voltage and high power markets and applications. Grown through the consolidation of many complementary brands, the full product offering can supply everything from components through complete systems. Headquartered in Dallas, Texas, with production facilities in the United States and China, as well as sales offices throughout the world, DTI is a truly modern multi national company. Our broad range of locations and capabilities, with all activities directed through a close-knit team of experienced executives, allows us to be exceptionally price competitive and flexible, while ensuring the quality and technical know how expected of a US manufacturer.

Dean Technology brings a distinctive approach to the manufacture and sale of electronics. While most manufacturers prefer the path of least resistance, seeking only new cost reducing methods and increased margins, we remain focused on providing the correct product and solution to meet each individual design. All of the engineers on our staff work directly with our customers, helping to ensure we are providing the correct technical solution and offering lower cost items whenever appropriate. We firmly believe that through this honest, involved, and direct approach we are best able to meet our customers' needs. We know that content and successful customers are what ensure our own success.

It is this unique thinking about how to work with our customers that allows DTI to bring together the most current back office technology, modern business practices, cutting edge design and proven manufacturing techniques to offer the best and newest products while maintaining support for more traditional and legacy items. We aim to discontinue only those products for which we can immediately offer a form fit and function replacement that is equal to or better than the performance, quality and reliability of its predecessor. Where other manufacturers abandon products and markets that don't show year over year quantity growth, we see and are committed to the long-term value of everything we sell. Designing with Dean Technology product ensures you will have continued support well into the future.

Dean Technology, Inc. is focused completely on providing our customers with the very best we have to offer, in every way possible. We revel in the specific details of each and every customer's needs, and given the opportunity, will work tirelessly for their success.



Addison, TX facility



Farmingdale, NJ facility



Indiana, PA facility



Lucernemines, PA facilities



Anshan, Liaoning  
China facility



ISO 9001: 2008 CERTIFIED

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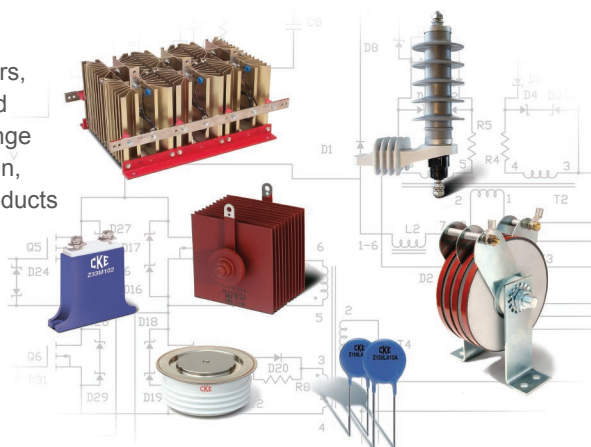
972.248.7691

## Product Line Descriptions



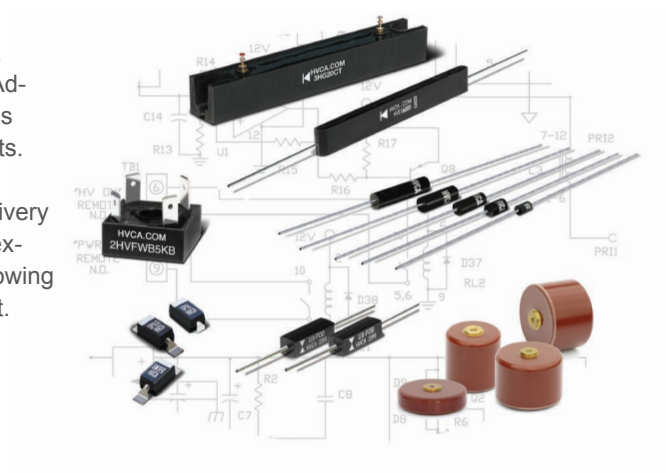
### CKE

CKE is a line of high voltage and high power silicon rectifiers, MOVs, selenium suppressors, silicon carbide varistors, and assemblies. These products are appropriate for a wide range of applications, and find a special fit in the power generation, resistance welding and RF power systems markets. All products can be customized to meet specific needs, and are offered with a wide variety of packaging, and connection options.



### HVCA

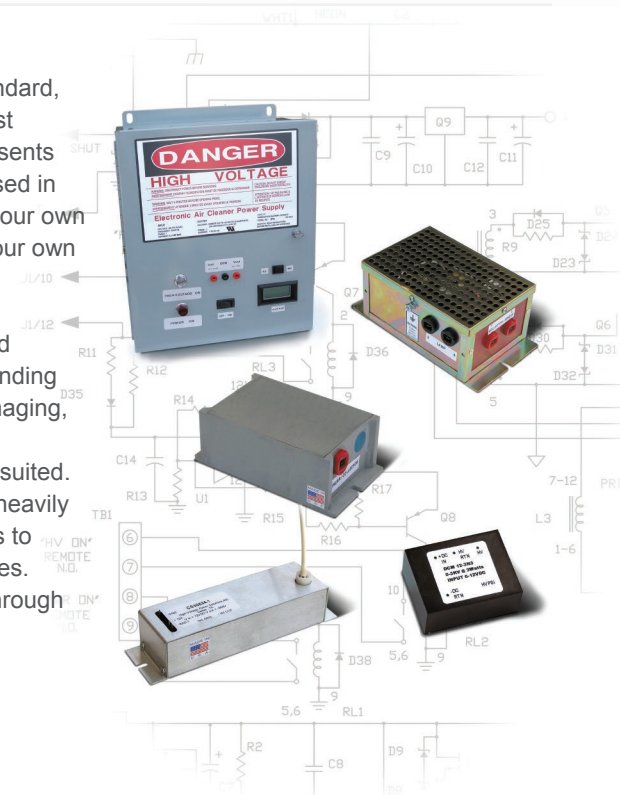
The HVCA product line centers on high voltage diodes, ceramic capacitors, bridge rectifiers and assemblies. Advanced diffusion and manufacturing techniques allow us to produce a wide range of diodes, and rectifier products. Tight control of these designs and processes allow for custom versions of any product within this line, and delivery on short lead times. Dean Technology has extensive expertise in high voltage assembly and encapsulation allowing replication of most any competitive or discontinued part.



### HVPSI

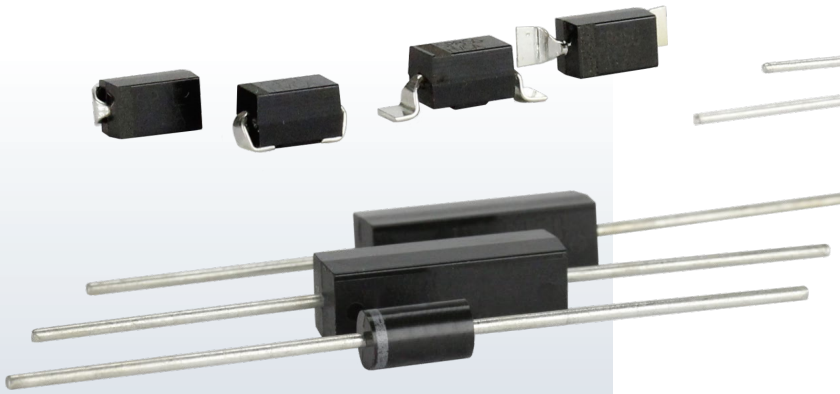
The HVPSI line of products includes standard, modified standard, build to print, and custom multipliers, power supplies and test equipment. The HVPSI line is our most complex, and represents all of the best we have to offer. Many of our products are used in the production of the HVPSI line. We believe so strongly in our own products that we are one of our own biggest customers for our own components.

High voltage power supplies and multipliers are complex and delicate designs, which require many specific features depending on the exact application. Whether for electrostatic, x-ray, imaging, or any other high voltage application, the HVPSI line and exceptional design support of Dean Technology is perfectly suited. DTI is highly dedicated to this product line, and is investing heavily in developing new techniques and products that will allow us to significantly reduce the design time on custom power supplies. This is all simply a continuation of the dedication we carry through to our customers' needs on all of our offerings.





## Diodes and Capacitors



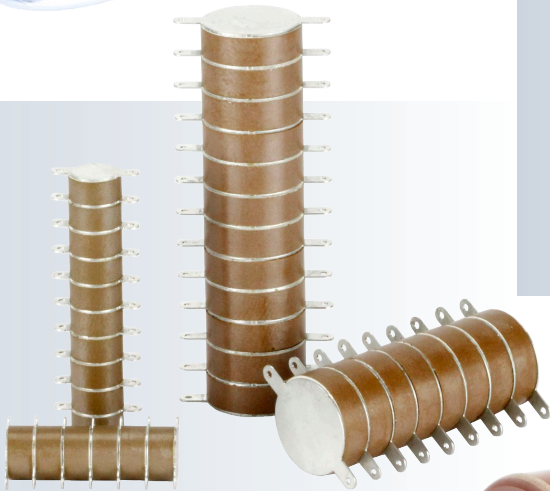
Dean Technology a wide range of high voltage components and assemblies, perfect for use in any high voltage application. As with all of our products, both standard and custom solutions are available for discrete diodes, rectifier assemblies, and ceramic capacitors in many packages.

Visit [www.deantechnology.com](http://www.deantechnology.com) or call us today!



PRODUCTS BY:

**DEAN**  
TECHNOLOGY



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**[WWW.DEANTECHNOLOGY.COM](http://WWW.DEANTECHNOLOGY.COM)**

**972.248.7691**

**LONG SURFACE MOUNT HIGH VOLTAGE DIODES**

<b>SLP Series .....</b>	<b>5</b>
<b>SLU Series .....</b>	<b>5</b>

**30 kV HIGH VOLTAGE DIODES**

<b>CL03-30 .....</b>	<b>6</b>
<b>UX-F30B .....</b>	<b>6</b>

**FAST HIGH CURRENT HIGH VOLTAGE DIODES**

<b>HVCF Series .....</b>	<b>6</b>
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**AUTOMOTIVE, HIGH TEMPERATURE HIGH VOLTAGE DIODES**

<b>HVA Series .....</b>	<b>6</b>
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**MINIATURE HIGH VOLTAGE POWER SUPPLIES**

<b>PMT Series .....</b>	<b>7</b>
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**HIGH VOLTAGE CERAMIC CAPACITOR STACKS**

<b>ST1 Series .....</b>	<b>8</b>
<b>ST2 Series .....</b>	<b>11</b>
<b>ST3 Series .....</b>	<b>13</b>

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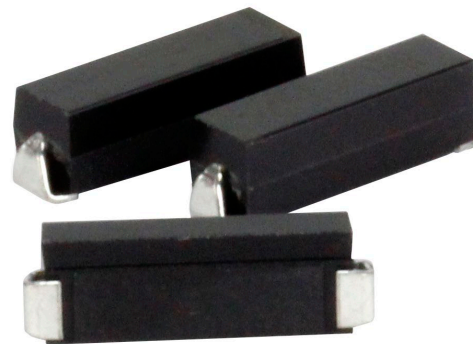
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**Features:**

- Surface mount, J-leaded package
- Available in cut tape and 1,000 piece reels
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II, Annex III, 7(a) and EU RoHS Directive (EU) 2015/863 of March 2015, Amending Annex II

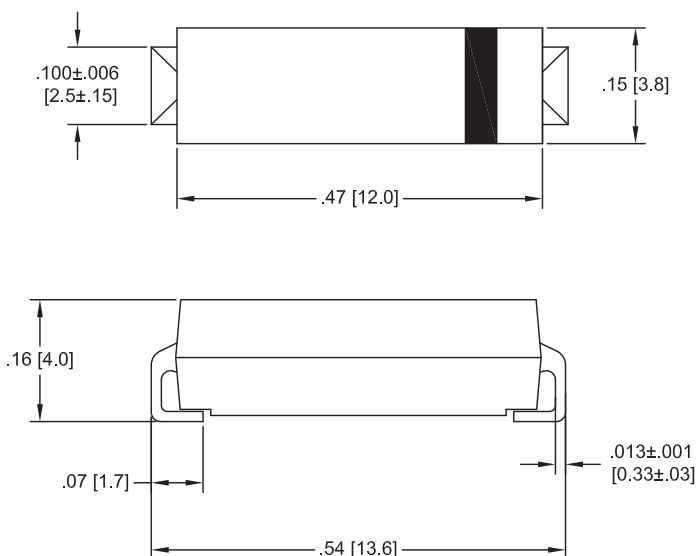


Part Number	$V_{RRM}$ V	$V_F$ V	$I_{FAVM}^*$ mA	$I_R$ $\mu$ A	$I_{FSM}$ A	$C_J$ pF	$T_{JMAX}$ $^{\circ}$ C	$T_{RR}$ nS	$R_{\theta JL}$ $^{\circ}$ C / W	$R_{\theta JC}$ $^{\circ}$ C / W	Op. Temp $^{\circ}$ C
<b>SLP Series</b>											
SLP05M	5000	8.5	1000	0.5	15	7.5	150	75	17	27	-55 to 150
SLP10M	10000	15.8	450	0.5	15	3.7	150	75	17	27	-55 to 150
<b>SLU Series</b>											
SLU08M	8000	12	850	0.5	20	7.5	150	40	13	20	-55 to 150
SLU15M	15000	16	450	0.5	20	3.5	150	50	13	20	-55 to 150

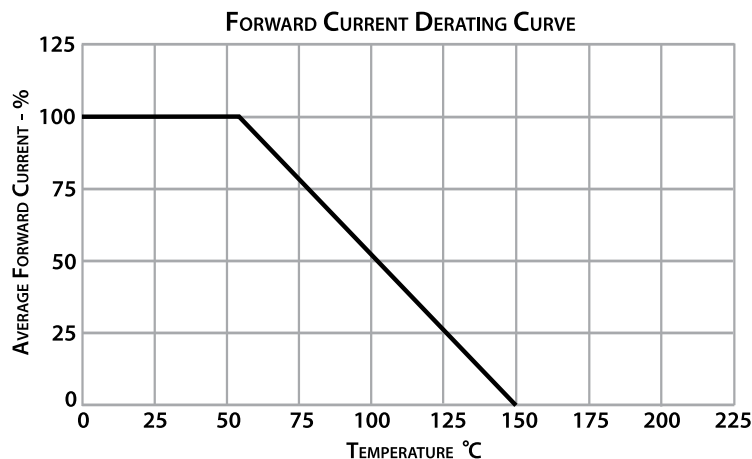
Note: Specifications based on diode PCB mounted on 0.2" x 0.2" (5.0mm x 5.0 mm) copper solder pads.

More detailed specifications for all parts available at [www.deantechnology.com](http://www.deantechnology.com).

\* At 55 $^{\circ}$ C Lead Temperature

**Dimensions:**

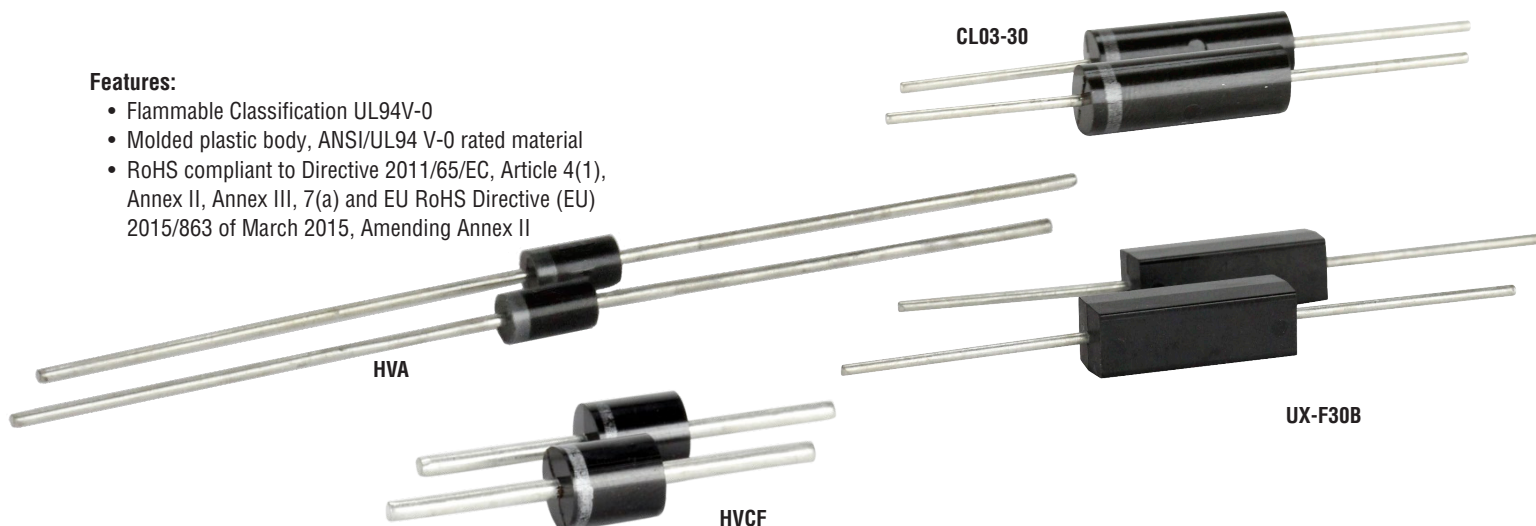
Dimensions are in inches [mm]

**Certifications:**



## Features:

- Flammable Classification UL94V-0
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II, Annex III, 7(a) and EU RoHS Directive (EU) 2015/863 of March 2015, Amending Annex II



CL03-30

HVA

HVCF

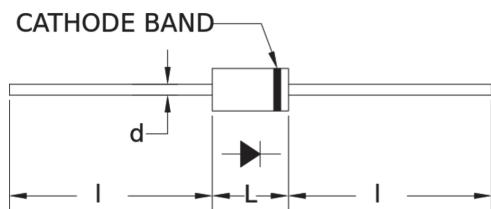
UX-F30B

Part Number	$V_{RRM}$ V	$V_F$ V	$I_{FAVM}$ mA	$I_R$ $\mu$ A	$I_{FSM}$ A	$C_J$ pF	$T_{JMAX}$ $^{\circ}$ C	$V_Z$ V	$E_{RSM}$ mJ	$T_{RR}$ nS	Op. Temp $^{\circ}$ C	L in.	D in.	d in.	I in.
<b>CL03 Series - 30 kV High Voltage Diodes</b>															
CL03-30	30000	38	120	2	20	5.5	125	—	—	100	-55 to 125	0.87	0.3	0.05	0.94
<b>UX Series - 30 kV High Voltage Diodes</b>															
UX-F30B	30000	35	150	0.5	20	1.9	150	—	—	50	-55 to 150	0.87	0.28	0.047	0.87
<b>HVCF Series - Fast High Current High Voltage Diodes</b>															
HVCF25	2500	4.3	3000	2	200	65	175	—	—	75	-55 to 175	0.38	0.32	0.08	0.6
HVCF50	5000	7	2200	2	150	45	150	—	—	75	-55 to 150	0.38	0.32	0.08	0.6
HVCF100	10000	10.7	1500	2	100	24	150	—	—	75	-55 to 150	0.38	0.32	0.08	0.6
<b>HVA Series - Automotive High Temperature High Voltage Diodes</b>															
HVA3K	3000	3.2	800	0.5	30	—	175	4500	15	—	-55 to 175	0.2	0.12	0.032	1
HVA5K	5000	5	500	0.5	30	—	175	7500	35	—	-55 to 175	0.2	0.12	0.032	1

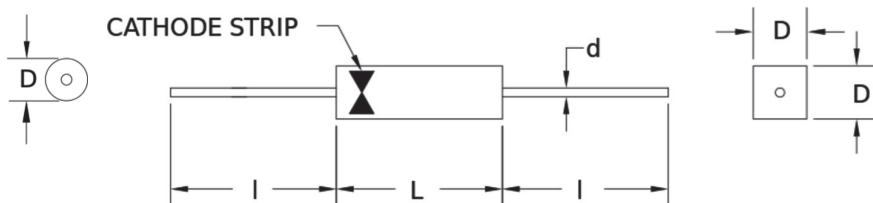
Note: More detailed specifications for all parts available at [www.deantechnology.com](http://www.deantechnology.com).

## Mechanical:

CL03-30, HVCF Series & HVA Series



UX-F30B

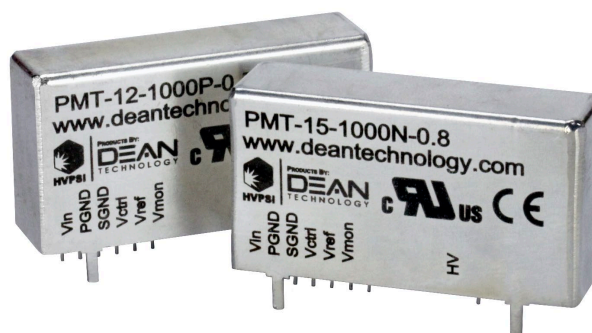


## Certifications:



## Features:

- Low ripple
- Short Circuit Protected
- Reverse Input Protected
- Maintenance Free
- Small Size
- Excellent Stability

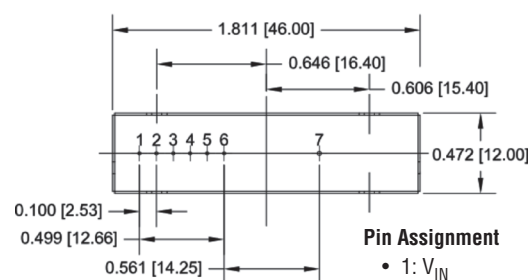
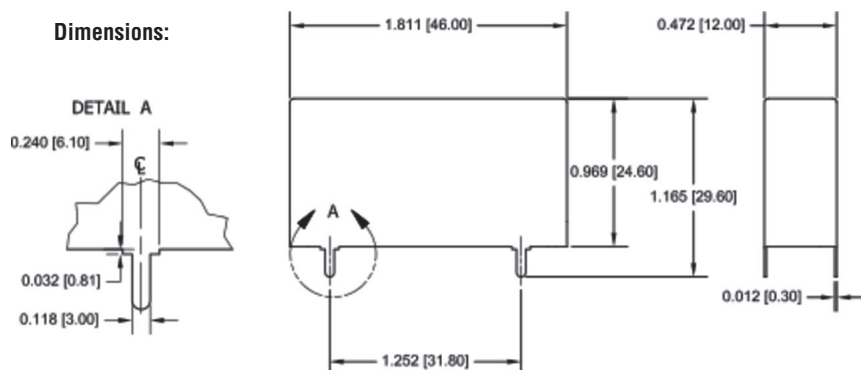


Part Number	V <sub>I</sub> VDC	P <sub>I</sub> W	V <sub>O</sub> V	P <sub>O</sub> W	I <sub>OP</sub> mA
<b>PMT Series</b>					
PMT-12-600N-0.5	12	< 1.8	-600	0.5	0.83
PMT-12-600P-0.5	12	< 1.8	600	0.5	0.83
PMT-12-1000N-0.5	12	< 1.8	-1000	0.5	0.50
PMT-12-1000P-0.5	12	< 1.8	1000	0.5	0.50
PMT-12-1250N-0.5	12	< 1.8	-1250	0.5	0.40
PMT-12-1250P-0.5	12	< 1.8	1250	0.5	0.40
PMT-12-1500N-0.5	12	< 1.8	-1500	0.5	0.33
PMT-12-1500P-0.5	12	< 1.8	1500	0.5	0.33
PMT-15-600N-0.8	15	< 2.25	-600	0.8	1.33
PMT-15-600P-0.8	15	< 2.25	600	0.8	1.33
PMT-15-1000N-0.8	15	< 2.25	-1000	0.8	0.80
PMT-15-1000P-0.8	15	< 2.25	1000	0.8	0.80
PMT-15-1250N-0.8	15	< 2.25	-1250	0.8	0.64
PMT-15-1250P-0.8	15	< 2.25	1250	0.8	0.64
PMT-15-1500N-0.8	15	< 2.25	-1500	0.8	0.53
PMT-15-1500P-0.8	15	< 2.25	1500	0.8	0.53
PMT-24-600N-1	24	< 2.88	-600	1.0	1.67
PMT-24-600P-1	24	< 2.88	600	1.0	1.67
PMT-24-1000N-1	24	< 2.88	-1000	1.0	1.00
PMT-24-1000P-1	24	< 2.88	1000	1.0	1.00
PMT-24-1250N-1	24	< 2.88	-1250	1.0	0.80
PMT-24-1250P-1	24	< 2.88	1250	1.0	0.80
PMT-24-1500N-1	24	< 2.88	-1500	1.0	0.67
PMT-24-1500P-1	24	< 2.88	1500	1.0	0.67

## Additional Specifications:

- Input Type: DC
- Load Regulation (From No Load to Full Load): <0.02% VDC
- Line Regulation: <0.01% VDC
- Ripple (Max Load p-p): <0.005%
- Stability: <0.10% VDC
- Control Type: Analog Signal
- Output Voltage Control: 0 to 5 VDC
- Control Range: 0 to 100% VO
- Reference Voltage: 5 V
- Voltage Monitor: 1 V / kV
- Operating Temperature: -10°C to +65°C (Case Temp., Full Load, Max VO)
- Storage Temperature: -40°C to +85°C (Non-Operating, Case Temp.)
- Temperature Coefficient: 0.01 %/°C
- Humidity: 0% to 95% (Non-Condensing)
- Altitude: 0 to 10,000 Ft (Standard Operating Conditions)
- Weight: <0.1lbs (<0.045kg)

## Dimensions:



## Pin Assignment

- 1: V<sub>IN</sub>
- 2: Ground
- 3: Ground
- 4: Control Voltage
- 5: V<sub>REF</sub> = +5V
- 6: V<sub>MON</sub>
- 7: HV Output

## Certifications:





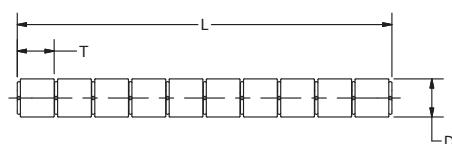
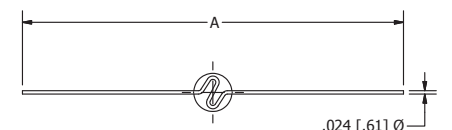


## Features:

- Small and compact design
- Silver plated electrodes
- Use in oil or encapsulated
- Multiple configurations standard
- Custom versions available

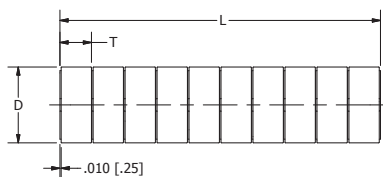
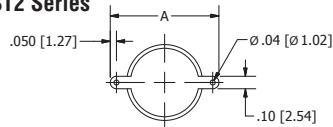
## Dimensions:

### ST1 Series



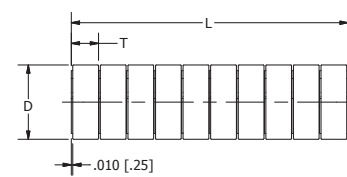
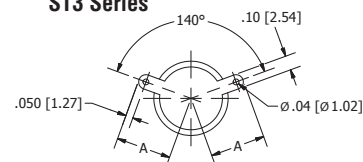
Dimensions: in [mm]

### ST2 Series



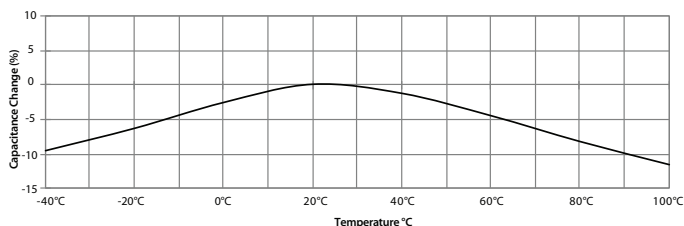
Dimensions: in [mm]

### ST3 Series

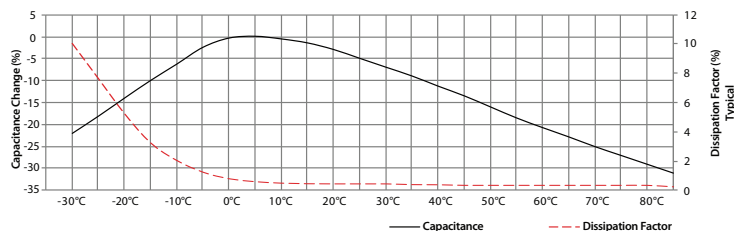


Dimensions: in [mm]

Y5P TYPICAL TEMPERATURE CHARACTERISTICS CURVE



Z5U TYPICAL TEMPERATURE CHARACTERISTICS CURVE



Part Number	C pF*	Dielectric Material	V <sub>RATE</sub> V**	Discs in Stack	L (max) in [mm]	D (max) in [mm]	T (±10%) in [mm]	A*** in [mm]
<b>ST1 Series</b>								
ST1Y5P251M10KV04				4	0.78 [19.9]			
ST1Y5P251M10KV05				5	0.97 [24.7]			
ST1Y5P251M10KV06				6	1.16 [29.5]			
ST1Y5P251M10KV07				7	1.35 [34.3]			
ST1Y5P251M10KV08	250	Y5P	10000	8	1.54 [39.1]	0.25 [6.5]	0.17 [4.4]	2.75 [70.0]
ST1Y5P251M10KV09				9	1.72 [43.9]			
ST1Y5P251M10KV10				10	1.91 [48.7]			
ST1Y5P251M10KV11				11	2.10 [53.4]			
ST1Y5P251M10KV12				12	2.29 [58.2]			
ST1Y5P251M12KV04				4	0.87 [22.0]			
ST1Y5P251M12KV05				5	1.08 [27.4]			
ST1Y5P251M12KV06				6	1.29 [32.7]			
ST1Y5P251M12KV07				7	1.49 [38.0]			
ST1Y5P251M12KV08	250	Y5P	12000	8	1.70 [43.4]	0.27 [6.9]	0.19 [4.9]	2.75 [70.0]
ST1Y5P251M12KV09				9	1.91 [48.7]			
ST1Y5P251M12KV10				10	2.12 [54.0]			
ST1Y5P251M12KV11				11	2.33 [59.4]			
ST1Y5P251M12KV12				12	2.54 [64.7]			



Part Number	C pF*	Dielectric Material	V <sub>RATE</sub> V**	Discs in Stack	L (max) in [mm]	D (max) in [mm]	T (±10%) in [mm]	A*** in [mm]
<b>ST1 Series</b>								
ST1Y5P501M6KV04				4	0.41 [10.5]			
ST1Y5P501M6KV05				5	0.51 [12.9]			
ST1Y5P501M6KV06				6	0.60 [15.4]			
ST1Y5P501M6KV07				7	0.70 [17.8]			
ST1Y5P501M6KV08	500	Y5P	6000	8	0.80 [20.3]	0.24 [6.2]	0.09 [2.3]	2.75 [70.0]
ST1Y5P501M6KV09				9	0.89 [22.7]			
ST1Y5P501M6KV10				10	0.99 [25.2]			
ST1Y5P501M6KV11				11	1.08 [27.6]			
ST1Y5P501M6KV12				12	1.18 [30.0]			
ST1Y5P501M8KV04				4	0.51 [13.0]			
ST1Y5P501M8KV05				5	0.63 [16.1]			
ST1Y5P501M8KV06				6	0.75 [19.1]			
ST1Y5P501M8KV07				7	0.87 [22.2]			
ST1Y5P501M8KV08	500	Y5P	8000	8	0.99 [25.3]	0.28 [7.1]	0.11 [2.9]	2.75 [70.0]
ST1Y5P501M8KV09				9	1.11 [28.3]			
ST1Y5P501M8KV10				10	1.23 [31.4]			
ST1Y5P501M8KV11				11	1.36 [34.5]			
ST1Y5P501M8KV12				12	1.48 [37.6]			
ST1Y5P501M10KV04				4	0.74 [18.9]			
ST1Y5P501M10KV05				5	0.92 [23.4]			
ST1Y5P501M10KV06				6	1.10 [28.0]			
ST1Y5P501M10KV07				7	1.28 [32.5]			
ST1Y5P501M10KV08	500	Y5P	10000	8	1.46 [37.0]	0.35 [8.9]	0.17 [4.2]	2.75 [70.0]
ST1Y5P501M10KV09				9	1.63 [41.6]			
ST1Y5P501M10KV10				10	1.81 [46.1]			
ST1Y5P501M10KV11				11	1.99 [50.7]			
ST1Y5P501M10KV12				12	2.17 [55.2]			
ST1Y5P501M12KV04				4	0.86 [21.9]			
ST1Y5P501M12KV05				5	1.07 [27.2]			
ST1Y5P501M12KV06				6	1.28 [32.5]			
ST1Y5P501M12KV07				7	1.49 [37.8]			
ST1Y5P501M12KV08	500	Y5P	12000	8	1.69 [43.1]	0.39 [10.0]	0.19 [4.9]	2.75 [70.0]
ST1Y5P501M12KV09				9	1.90 [48.4]			
ST1Y5P501M12KV10				10	2.11 [53.7]			
ST1Y5P501M12KV11				11	2.32 [59.0]			
ST1Y5P501M12KV12				12	2.53 [64.3]			
ST1Y5P102M6KV04				4	0.42 [10.7]			
ST1Y5P102M6KV05				5	0.52 [13.1]			
ST1Y5P102M6KV06				6	0.61 [15.6]			
ST1Y5P102M6KV07				7	0.71 [18.1]			
ST1Y5P102M6KV08	1000	Y5P	6000	8	0.81 [20.6]	0.34 [8.7]	0.09 [2.3]	2.75 [70.0]
ST1Y5P102M6KV09				9	0.91 [23.1]			
ST1Y5P102M6KV10				10	1.01 [25.6]			
ST1Y5P102M6KV11				11	1.10 [28.1]			
ST1Y5P102M6KV12				12	1.20 [30.6]			



Part Number	C pF*	Dielectric Material	V <sub>RATE</sub> V**	Discs in Stack	L (max) in [mm]	D (max) in [mm]	T (±10%) in [mm]	A*** in [mm]
<b>ST1 Series</b>								
ST1Y5P102M8KV04				4	0.50 [12.7]			
ST1Y5P102M8KV05				5	0.62 [15.7]			
ST1Y5P102M8KV06				6	0.73 [18.7]			
ST1Y5P102M8KV07				7	0.85 [21.7]			
ST1Y5P102M8KV08	1000	Y5P	8000	8	0.97 [24.7]	0.39 [9.9]	0.11 [2.8]	2.75 [70.0]
ST1Y5P102M8KV09				9	1.09 [27.6]			
ST1Y5P102M8KV10				10	1.20 [30.6]			
ST1Y5P102M8KV11				11	1.32 [33.6]			
ST1Y5P102M8KV12				12	1.44 [36.6]			
ST1Z5U251M10KV04				4	0.76 [19.3]			
ST1Z5U251M10KV05				5	0.94 [23.9]			
ST1Z5U251M10KV06				6	1.12 [28.5]			
ST1Z5U251M10KV07				7	1.30 [33.2]			
ST1Z5U251M10KV08	250	Z5U	10000	8	1.49 [37.8]	0.26 [6.5]	0.17 [4.2]	2.75 [70.0]
ST1Z5U251M10KV09				9	1.67 [42.5]			
ST1Z5U251M10KV10				10	1.85 [47.1]			
ST1Z5U251M10KV11				11	2.03 [51.8]			
ST1Z5U251M10KV12				12	2.22 [56.4]			
ST1Z5U251M12KV04				4	0.85 [21.7]			
ST1Z5U251M12KV05				5	1.06 [27.0]			
ST1Z5U251M12KV06				6	1.27 [32.2]			
ST1Z5U251M12KV07				7	1.47 [37.5]			
ST1Z5U251M12KV08	250	Z5U	12000	8	1.68 [42.7]	0.28 [7.0]	0.19 [4.8]	2.75 [70.0]
ST1Z5U251M12KV09				9	1.89 [48.0]			
ST1Z5U251M12KV10				10	2.09 [53.3]			
ST1Z5U251M12KV11				11	2.30 [58.5]			
ST1Z5U251M12KV12				12	2.51 [63.8]			
ST1Z5U102M10KV04				4	0.78 [19.9]			
ST1Z5U102M10KV05				5	0.97 [24.7]			
ST1Z5U102M10KV06				6	1.16 [29.4]			
ST1Z5U102M10KV07				7	1.35 [34.2]			
ST1Z5U102M10KV08	1000	Z5U	10000	8	1.53 [39.0]	0.30 [7.6]	0.17 [4.3]	2.75 [70.0]
ST1Z5U102M10KV09				9	1.72 [43.8]			
ST1Z5U102M10KV10				10	1.91 [48.6]			
ST1Z5U102M10KV11				11	2.10 [53.4]			
ST1Z5U102M10KV12				12	2.29 [58.2]			
ST1Z5U102M12KV04				4	0.88 [22.5]			
ST1Z5U102M12KV05				5	1.10 [27.9]			
ST1Z5U102M12KV06				6	1.31 [33.4]			
ST1Z5U102M12KV07				7	1.53 [38.8]			
ST1Z5U102M12KV08	1000	Z5U	12000	8	1.74 [44.3]	0.31 [8.0]	0.19 [4.9]	2.75 [70.0]
ST1Z5U102M12KV09				9	1.96 [49.7]			
ST1Z5U102M12KV10				10	2.17 [55.2]			
ST1Z5U102M12KV11				11	2.38 [60.6]			
ST1Z5U102M12KV12				12	2.60 [66.1]			



Part Number	C pF*	Dielectric Material	V <sub>RATE</sub> V**	Discs in Stack	L (max) in [mm]	D (max) in [mm]	T (±10%) in [mm]	A**** in [mm]
<b>ST2 Series</b>								
ST2Y5P131M12KV04				4	0.77 [19.7]			
ST2Y5P131M12KV05				5	0.97 [24.6]			
ST2Y5P131M12KV06				6	1.16 [29.4]			
ST2Y5P131M12KV07				7	1.35 [34.3]			
ST2Y5P131M12KV08	130	Y5P	12000	8	1.54 [39.1]	0.19 [4.9]	0.17 [4.4]	0.42 [10.7]
ST2Y5P131M12KV09				9	1.73 [44.0]			
ST2Y5P131M12KV10				10	1.92 [48.8]			
ST2Y5P131M12KV11				11	2.11 [53.7]			
ST2Y5P131M12KV12				12	2.30 [58.5]			
ST2Y5P251M10KV04				4	0.71 [18.1]			
ST2Y5P251M10KV05				5	0.89 [22.6]			
ST2Y5P251M10KV06				6	1.06 [27.0]			
ST2Y5P251M10KV07				7	1.24 [31.5]			
ST2Y5P251M10KV08	250	Y5P	10000	8	1.41 [36.0]	0.25 [6.5]	0.16 [4.1]	0.46 [11.6]
ST2Y5P251M10KV09				9	1.59 [40.4]			
ST2Y5P251M10KV10				10	1.76 [44.9]			
ST2Y5P251M10KV11				11	1.94 [49.3]			
ST2Y5P251M10KV12				12	2.11 [53.8]			
ST2Y5P251M12KV04				4	0.80 [20.3]			
ST2Y5P251M12KV05				5	0.99 [25.3]			
ST2Y5P251M12KV06				6	1.19 [30.3]			
ST2Y5P251M12KV07				7	1.39 [35.3]			
ST2Y5P251M12KV08	250	Y5P	12000	8	1.58 [40.3]	0.27 [6.9]	0.18 [4.5]	0.46 [11.6]
ST2Y5P251M12KV09				9	1.78 [45.3]			
ST2Y5P251M12KV10				10	1.98 [50.3]			
ST2Y5P251M12KV11				11	2.17 [55.3]			
ST2Y5P251M12KV12				12	2.37 [60.3]			
ST2Y5P501M12KV04				4	0.79 [20.1]			
ST2Y5P501M12KV05				5	0.99 [25.1]			
ST2Y5P501M12KV06				6	1.18 [30.1]			
ST2Y5P501M12KV07				7	1.38 [35.0]			
ST2Y5P501M12KV08	500	Y5P	12000	8	1.57 [40.0]	0.39 [10.0]	0.18 [4.5]	0.58 [14.7]
ST2Y5P501M12KV09				9	1.77 [45.0]			
ST2Y5P501M12KV10				10	1.96 [49.9]			
ST2Y5P501M12KV11				11	2.16 [54.9]			
ST2Y5P501M12KV12				12	2.35 [59.9]			
ST2Y5P102M10KV04				4	0.69 [17.6]			
ST2Y5P102M10KV05				5	0.86 [22.0]			
ST2Y5P102M10KV06				6	1.03 [26.3]			
ST2Y5P102M10KV07				7	1.20 [30.7]			
ST2Y5P102M10KV08	1000	Y5P	10000	8	1.38 [35.0]	0.52 [13.1]	0.16 [3.9]	0.68 [17.3]
ST2Y5P102M10KV09				9	1.55 [39.3]			
ST2Y5P102M10KV10				10	1.72 [43.7]			
ST2Y5P102M10KV11				11	1.89 [48.0]			
ST2Y5P102M10KV12				12	2.06 [52.3]			





Part Number	C pF*	Dielectric Material	V <sub>RATE</sub> V*	Discs in Stack	L (max) in [mm]	D (max) in [mm]	T (±10%) in [mm]	A**** in [mm]
<b>ST2 Series</b>								
ST2Y5P102M12KV04				4	0.84 [21.5]			
ST2Y5P102M12KV05				5	1.05 [26.8]			
ST2Y5P102M12KV06				6	1.26 [32.1]			
ST2Y5P102M12KV07				7	1.47 [37.4]			
ST2Y5P102M12KV08	1000	Y5P	12000	8	1.68 [42.7]	0.57 [14.5]	0.19 [4.8]	0.87 [22.2]
ST2Y5P102M12KV09				9	1.89 [48.0]			
ST2Y5P102M12KV10				10	2.10 [53.3]			
ST2Y5P102M12KV11				11	2.30 [58.6]			
ST2Y5P102M12KV12				12	2.51 [63.9]			
ST2Z5U131M12KV04				4	0.77 [19.5]			
ST2Z5U131M12KV05				5	0.96 [24.3]			
ST2Z5U131M12KV06				6	1.15 [29.1]			
ST2Z5U131M12KV07				7	1.33 [34.0]			
ST2Z5U131M12KV08	130	Z5U	12000	8	1.52 [38.8]	0.20 [5.1]	0.17 [4.4]	0.42 [10.7]
ST2Z5U131M12KV09				9	1.71 [43.6]			
ST2Z5U131M12KV10				10	1.90 [48.4]			
ST2Z5U131M12KV11				11	2.09 [53.2]			
ST2Z5U131M12KV12				12	2.28 [58.0]			
ST2Z5U251M10KV04				4	0.69 [17.5]			
ST2Z5U251M10KV05				5	0.86 [21.8]			
ST2Z5U251M10KV06				6	1.03 [26.1]			
ST2Z5U251M10KV07				7	1.20 [30.4]			
ST2Z5U251M10KV08	250	Z5U	10000	8	1.36 [34.7]	0.26 [6.5]	0.15 [3.9]	0.46 [11.6]
ST2Z5U251M10KV09				9	1.53 [39.0]			
ST2Z5U251M10KV10				10	1.70 [43.3]			
ST2Z5U251M10KV11				11	1.87 [47.6]			
ST2Z5U251M10KV12				12	2.04 [52.0]			
ST2Z5U251M12KV04				4	0.78 [20.0]			
ST2Z5U251M12KV05				5	0.98 [24.9]			
ST2Z5U251M12KV06				6	1.17 [29.8]			
ST2Z5U251M12KV07				7	1.36 [34.7]			
ST2Z5U251M12KV08	250	Z5U	12000	8	1.56 [39.6]	0.28 [7.0]	0.18 [4.5]	0.46 [11.6]
ST2Z5U251M12KV09				9	1.75 [44.6]			
ST2Z5U251M12KV10				10	1.94 [49.5]			
ST2Z5U251M12KV11				11	2.14 [54.4]			
ST2Z5U251M12KV12				12	2.33 [59.3]			
ST2Z5U501M10KV04				4	0.70 [17.8]			
ST2Z5U501M10KV05				5	0.87 [22.1]			
ST2Z5U501M10KV06				6	1.04 [26.5]			
ST2Z5U501M10KV07				7	1.21 [30.9]			
ST2Z5U501M10KV08	500	Z5U	10000	8	1.39 [35.3]	0.20 [5.2]	0.16 [4.0]	0.42 [10.7]
ST2Z5U501M10KV09				9	1.56 [39.6]			
ST2Z5U501M10KV10				10	1.73 [44.0]			
ST2Z5U501M10KV11				11	1.90 [48.4]			
ST2Z5U501M10KV12				12	2.07 [52.7]			



Part Number	C pF*	Dielectric Material	V <sub>RATE</sub> V**	Discs in Stack	L (max) in [mm]	D (max) in [mm]	T (±10%) in [mm]	A**** in [mm]
<b>ST2 Series</b>								
ST2Z5U501M12KV04				4	0.80 [20.4]			
ST2Z5U501M12KV05				5	1.00 [25.4]			
ST2Z5U501M12KV06				6	1.20 [30.5]			
ST2Z5U501M12KV07				7	1.39 [35.5]			
ST2Z5U501M12KV08	500	Z5U	12000	8	1.59 [40.5]	0.23 [5.8]	0.18 [4.6]	0.46 [11.6]
ST2Z5U501M12KV09				9	1.79 [45.6]			
ST2Z5U501M12KV10				10	1.99 [50.6]			
ST2Z5U501M12KV11				11	2.19 [55.6]			
ST2Z5U501M12KV12				12	2.38 [60.6]			
<b>ST3 Series</b>								
ST3Y5P501M12KV04				4	0.79 [20.1]			
ST3Y5P501M12KV05				5	0.99 [25.1]			
ST3Y5P501M12KV06				6	1.18 [30.1]			
ST3Y5P501M12KV07				7	1.38 [35.0]			
ST3Y5P501M12KV08	500	Y5P	12000	8	1.57 [40.0]	0.39 [10.0]	0.18 [4.5]	0.33 [8.4]
ST3Y5P501M12KV09				9	1.77 [45.0]			
ST3Y5P501M12KV10				10	1.96 [49.9]			
ST3Y5P501M12KV11				11	2.16 [54.9]			
ST3Y5P501M12KV12				12	2.35 [59.9]			
ST3Y5P102M10KV04				4	0.69 [17.6]			
ST3Y5P102M10KV05				5	0.86 [22.0]			
ST3Y5P102M10KV06				6	1.03 [26.3]			
ST3Y5P102M10KV07				7	1.20 [30.7]			
ST3Y5P102M10KV08	1000	Y5P	10000	8	1.38 [35.0]	0.52 [13.1]	0.16 [3.9]	0.38 [9.7]
ST3Y5P102M10KV09				9	1.55 [39.3]			
ST3Y5P102M10KV10				10	1.72 [43.7]			
ST3Y5P102M10KV11				11	1.89 [48.0]			
ST3Y5P102M10KV12				12	2.06 [52.3]			
ST3Y5P102M12KV04				4	0.84 [21.5]			
ST3Y5P102M12KV05				5	1.05 [26.8]			
ST3Y5P102M12KV06				6	1.26 [32.1]			
ST3Y5P102M12KV07				7	1.47 [37.4]			
ST3Y5P102M12KV08	1000	Y5P	12000	8	1.68 [42.7]	0.57 [14.5]	0.19 [4.8]	0.38 [9.7]
ST3Y5P102M12KV09				9	1.89 [48.0]			
ST3Y5P102M12KV10				10	2.10 [53.3]			
ST3Y5P102M12KV11				11	2.30 [58.6]			
ST3Y5P102M12KV12				12	2.51 [63.9]			

Note: \* Capacitance per disc with 20% tolerance.

\*\* Rated voltage per disc, dielectric withstand 150% of rated.

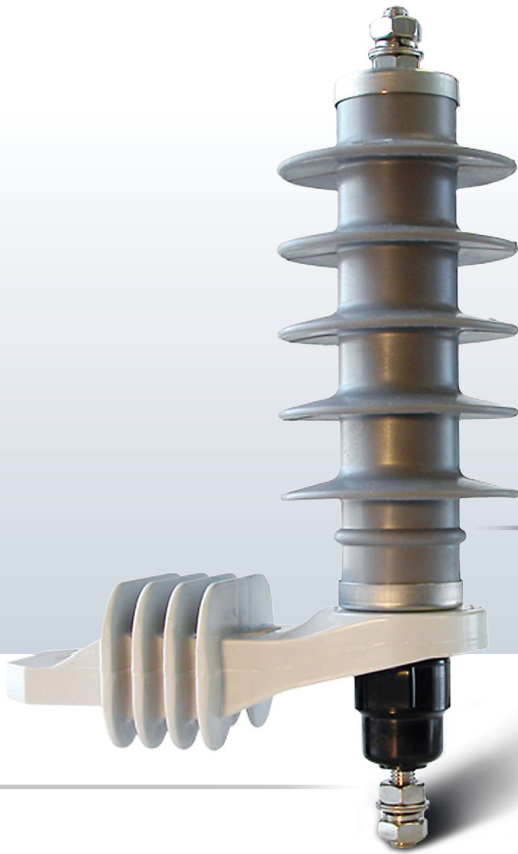
\*\*\* ST1 Series have A dimension tolerance of ± 0.040 in. / 1.02 mm.

\*\*\*\* ST2 Series and ST3 Series have A dimension tolerance of ± 0.010 in. / 0.25 mm.

#### Certifications:

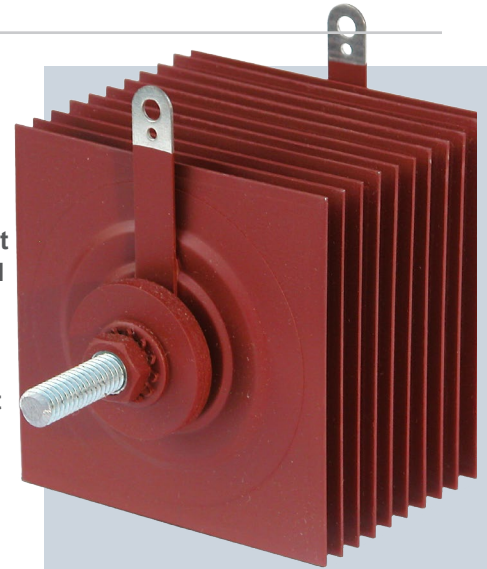


## Suppression Products

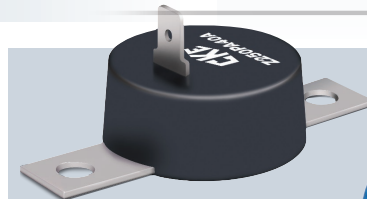
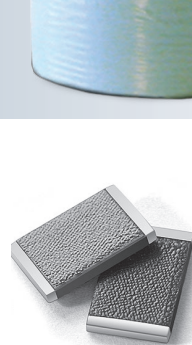
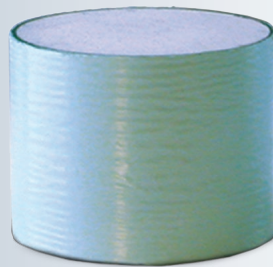


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