



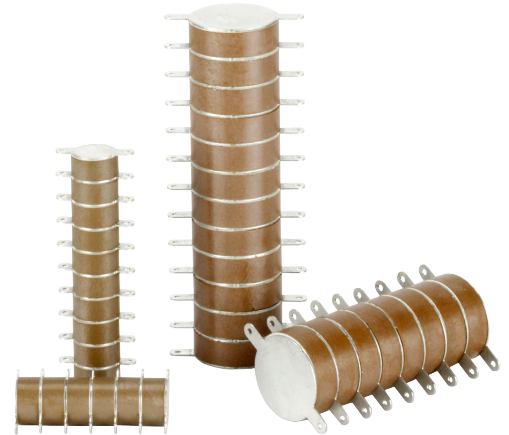
HVP
High Voltage Products. High Voltage Experts.

ST2 Series

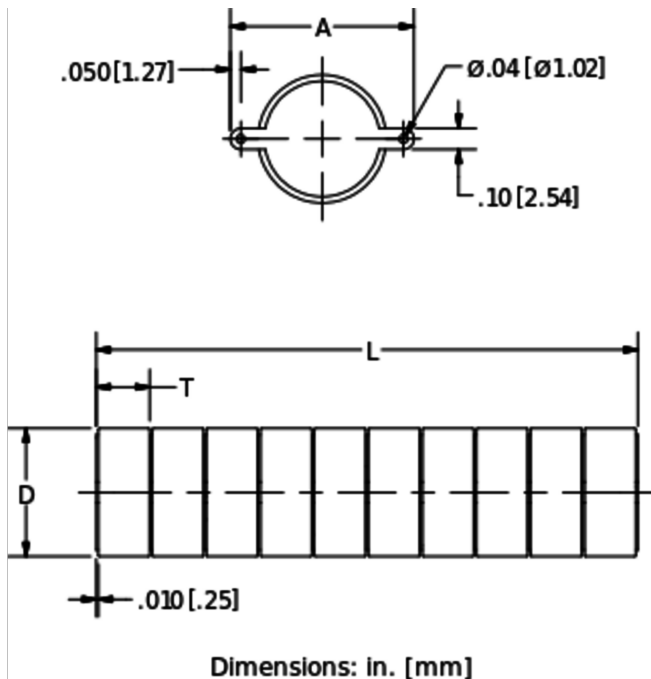
Capacitor Stacks with Solder Tabs
10 kV & 12 kV, 130 to 1,000 pF, Class II

Features:

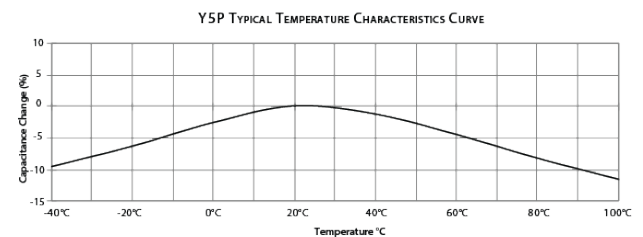
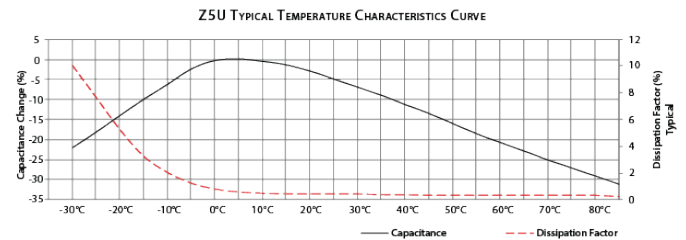
- Small and compact design
- Silver plated electrodes
- Use in oil or encapsulated
- Multiple configurations standard
- Custom versions available



Mechanical / Dimensional Data



Typical Temperature Characteristics



RoHS
COMPLIANT



Part Number	Capacitance (pF)*	Dielectric Material	Rated Voltage**	Discs in Stack	L (Max) (in. [mm])	D (Max) (in. [mm])	T (±10%) (in. [mm])	A*** (in. [mm])
ST2Y5P131M12KV04	130	Y5P	12000	4	0.77 [19.7]	0.19 [4.9]	0.17 [4.4]	0.42 [10.7]
ST2Y5P131M12KV05				5	0.97 [24.6]			
ST2Y5P131M12KV06				6	1.16 [29.4]			
ST2Y5P131M12KV07				7	1.35 [34.3]			
ST2Y5P131M12KV08				8	1.54 [39.1]			
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	250	Y5P	10000	4	0.71 [18.1]	0.25 [6.5]	0.16 [4.1]	0.46 [11.6]
ST2Y5P251M10KV05				5	0.89 [22.6]			
ST2Y5P251M10KV06				6	1.06 [27.0]			
ST2Y5P251M10KV07				7	1.24 [31.5]			
ST2Y5P251M10KV08				8	1.41 [36.0]			
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	250	Y5P	12000	4	0.80 [20.3]	0.27 [6.9]	0.18 [4.5]	0.46 [11.6]
ST2Y5P251M12KV05				5	0.99 [25.3]			
ST2Y5P251M12KV06				6	1.19 [30.3]			
ST2Y5P251M12KV07				7	1.39 [35.3]			
ST2Y5P251M12KV08				8	1.58 [40.3]			
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	500	Y5P	12000	4	0.79 [20.1]	0.39 [10.0]	0.18 [4.5]	0.58 [14.7]
ST2Y5P501M12KV05				5	0.99 [25.1]			
ST2Y5P501M12KV06				6	1.18 [30.1]			
ST2Y5P501M12KV07				7	1.38 [35.0]			
ST2Y5P501M12KV08				8	1.57 [40.0]			
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	1000	Y5P	10000	4	0.69 [17.6]	0.52 [13.1]	0.16 [3.9]	0.68 [17.3]
ST2Y5P102M10KV05				5	0.86 [22.0]			
ST2Y5P102M10KV06				6	1.03 [26.3]			
ST2Y5P102M10KV07				7	1.20 [30.7]			
ST2Y5P102M10KV08				8	1.38 [35.0]			
ST2Y5P102M10KV09				9	1.55 [39.3]			
ST2Y5P102M10KV10				10	1.72 [43.7]			
ST2Y5P102M10KV11				11	1.89 [48.0]			
ST2Y5P102M10KV12				12	2.06 [52.3]			
ST2Y5P102M12KV04	1000	Y5P	12000	4	0.84 [21.5]	0.57 [14.5]	0.19 [4.8]	0.87 [22.2]
ST2Y5P102M12KV05				5	1.05 [26.8]			
ST2Y5P102M12KV06				6	1.26 [32.1]			
ST2Y5P102M12KV07				7	1.47 [37.4]			
ST2Y5P102M12KV08				8	1.68 [42.7]			
ST2Y5P102M12KV09				9	1.89 [48.0]			
ST2Y5P102M12KV10				10	2.10 [53.3]			
ST2Y5P102M12KV11				11	2.30 [58.6]			
ST2Y5P102M12KV12				12	2.51 [63.9]			

* Capacitance per disc with 20% tolerance.

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

*** A dimension tolerance of ± 0.010 in. / 0.25 mm.



Part Number	Capacitance (pF)*	Dielectric Material	Rated Voltage**	Discs in Stack	L (Max) (in. [mm])	D (Max) (in. [mm])	T (±10%) (in. [mm])	A*** (in. [mm])
ST2Z5U131M12KV04	130	Z5U	12000	4	0.77 [19.5]	0.20 [5.1]	0.17 [4.4]	0.42 [10.7]
ST2Z5U131M12KV05				5	0.96 [24.3]			
ST2Z5U131M12KV06				6	1.15 [29.1]			
ST2Z5U131M12KV07				7	1.33 [34.0]			
ST2Z5U131M12KV08				8	1.52 [38.8]			
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	250	Z5U	10000	4	0.69 [17.5]	0.26 [6.5]	0.15 [3.9]	0.46 [11.6]
ST2Z5U251M10KV05				5	0.86 [21.8]			
ST2Z5U251M10KV06				6	1.03 [26.1]			
ST2Z5U251M10KV07				7	1.20 [30.4]			
ST2Z5U251M10KV08				8	1.36 [34.7]			
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	250	Z5U	12000	4	0.78 [20.0]	0.28 [7.0]	0.18 [4.5]	0.46 [11.6]
ST2Z5U251M12KV05				5	0.98 [24.9]			
ST2Z5U251M12KV06				6	1.17 [29.8]			
ST2Z5U251M12KV07				7	1.36 [34.7]			
ST2Z5U251M12KV08				8	1.56 [39.6]			
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	500	Z5U	10000	4	0.70 [17.8]	0.20 [5.2]	0.16 [4.0]	0.42 [10.7]
ST2Z5U501M10KV05				5	0.87 [22.1]			
ST2Z5U501M10KV06				6	1.04 [26.5]			
ST2Z5U501M10KV07				7	1.21 [30.9]			
ST2Z5U501M10KV08				8	1.39 [35.3]			
ST2Z5U501M10KV09				9	1.56 [39.6]			
ST2Z5U501M10KV10				10	1.73 [44.0]			
ST2Z5U501M10KV11				11	1.90 [48.4]			
ST2Z5U501M10KV12				12	2.07 [52.7]			
ST2Z5U501M12KV04	500	Z5U	12000	4	0.80 [20.4]	0.23 [5.8]	0.18 [4.6]	0.46 [11.6]
ST2Z5U501M12KV05				5	1.00 [25.4]			
ST2Z5U501M12KV06				6	1.20 [30.5]			
ST2Z5U501M12KV07				7	1.39 [35.5]			
ST2Z5U501M12KV08				8	1.59 [40.5]			
ST2Z5U501M12KV09				9	1.79 [45.6]			
ST2Z5U501M12KV10				10	1.99 [50.6]			
ST2Z5U501M12KV11				11	2.19 [55.6]			
ST2Z5U501M12KV12				12	2.38 [60.6]			

* Capacitance per disc with 20% tolerance.

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

*** A dimension tolerance of ± 0.010 in. / 0.25 mm.



Part Number	Capacitance (pF)*	Dielectric Material	Rated Voltage**	Discs in Stack	L (Max) (in. [mm])	D (Max) (in. [mm])	T (±10%) (in. [mm])	A*** (in. [mm])
ST2Z5U102M10KV04	1000	Z5U	10000	4	0.70 [17.8]	0.30 [7.6]	0.16 [4.0]	0.49 [12.5]
ST2Z5U102M10KV05				5	0.87 [22.1]			
ST2Z5U102M10KV06				6	1.04 [26.5]			
ST2Z5U102M10KV07				7	1.21 [30.9]			
ST2Z5U102M10KV08				8	1.39 [35.3]			
ST2Z5U102M10KV09				9	1.56 [39.6]			
ST2Z5U102M10KV10				10	1.73 [44.0]			
ST2Z5U102M10KV11				11	1.90 [48.4]			
ST2Z5U102M10KV12				12	2.07 [52.7]			
ST2Z5U102M12KV04	1000	Z5U	12000	4	0.80 [20.4]	0.31 [8.0]	0.18 [4.6]	0.49 [12.5]
ST2Z5U102M12KV05				5	1.00 [25.4]			
ST2Z5U102M12KV06				6	1.20 [30.5]			
ST2Z5U102M12KV07				7	1.39 [35.5]			
ST2Z5U102M12KV08				8	1.59 [40.5]			
ST2Z5U102M12KV09				9	1.79 [45.6]			
ST2Z5U102M12KV10				10	1.99 [50.6]			
ST2Z5U102M12KV11				11	2.19 [55.6]			
ST2Z5U102M12KV12				12	2.38 [60.6]			

* Capacitance per disc with 20% tolerance.

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*** A dimension tolerance of ± 0.010 in. / 0.25 mm.