

SPHT Ferris Wheel Ceramic Capacitors



SPHT Series Ceramic Capacitors are Class 1 parts featuring High Voltage, Current and Power ratings and low self-inductance. A broad variety of these 'Power-Disk' capacitors are offered including the innovative and cost effective 'Ferris-Wheel' configuration. All SPHT capacitors have low dissipation factors. Their structure is both simple and robust, assuring a long trouble free life. SPHT Series feature a phenolic resin coating and a long flashover path. They are built upon a choice of eight Class I dielectrics, providing a broad range of capacitance and temperature coefficients. Uses include RF transmitter circuits, antenna couplings, and other high-power RF applications.

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<u>Part Number</u>	<u>CAP</u>	<u>Dielectric (TC)</u>	<u>V_{MAX} (DC)</u>	<u>f_L</u>	<u>S_{MAX}</u>	<u>f_H</u>	<u>I_{MAX} (RMS)</u>
SPHTZ500MA-A10	50 pF	NP0	20 kV	1.59 MHz	100 kV·A	19.9 MHz	25.0 A
SPHTZ101MA-A10	100 pF	NP0	20 kV	0.875 MHz	110 kV·A	10.9 MHz	27.5 A
SPHTZ251MA-A10	250 pF	NP0	20 kV	0.350 MHz	110 kV·A	4.37 MHz	27.5 A
SPHTZ501MA-A10	500 pF	NP0	20 kV	0.239 MHz	150 kV·A	2.98 MHz	37.5 A
SPHTZ801MA-A10	800 pF	NP0	20 kV	0.149 MHz	150 kV·A	1.86 MHz	37.5 A
SPHTZ501MA-B10	500 pF	N470	20 kV	0.239 MHz	150 kV·A	2.98 MHz	37.5 A
SPHTZ751MA-B10	750 pF	N470	20 kV	0.159 MHz	150 kV·A	1.99 MHz	37.5 A
SPHTZ102MA-B10	1000 pF	N470	20 kV	0.119 MHz	150 kV·A	1.49 MHz	37.5 A
SPHTZ152MA-B10	1500 pF	N470	20 kV	0.0795 MHz	150 kV·A	0.994 MHz	37.5 A
SPHTZ801MA-C10	800 pF	N800	20 kV	0.149 MHz	150 kV·A	1.86 MHz	37.5 A
SPHTZ102MA-C10	1000 pF	N800	20 kV	0.119 MHz	150 kV·A	1.49 MHz	37.5 A
SPHTZ152MA-C10	1500 pF	N800	20 kV	0.0795 MHz	150 kV·A	0.994 MHz	37.5 A
SPHTZ202MA-C10	2000 pF	N800	20 kV	0.0596 MHz	150 kV·A	0.745 MHz	37.5 A
SPHTZ252MA-D10	2500 pF	N3300	20 kV	0.0477 MHz	150 kV·A	0.596 MHz	37.5 A
SPHTZ302MA-D10	3000 pF	N3300	20 kV	0.0398 MHz	150 kV·A	0.497 MHz	37.5 A
SPHTZ502MA-D10	5000 pF	N3300	20 kV	0.0239 MHz	150 kV·A	0.298 MHz	37.5 A
SPHTZ602MA-D10	6000 pF	N3300	20 kV	0.0199 MHz	150 kV·A	0.248 MHz	37.5 A
SPHTZ402MA-E10	4000 pF	N5250	20 kV	0.0298 MHz	150 kV·A	0.373 MHz	37.5 A
SPHTZ602MA-E10	6000 pF	N5250	20 kV	0.0199 MHz	150 kV·A	0.248 MHz	37.5 A
SPHTZ802MA-E10	8000 pF	N5250	20 kV	0.0149 MHz	150 kV·A	0.186 MHz	37.5 A
SPHTZ103MA-E10	10000 pF	N5250	20 kV	0.0119 MHz	150 kV·A	0.149 MHz	37.5 A
SPHT_CUSTOM	50 to 10000 pF	NP0 N470 N800 N3300 N5250	12 kV 13 kV 20 kV	N/A	N/A	N/A	N/A

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