

# TS08HT

### FEATURES

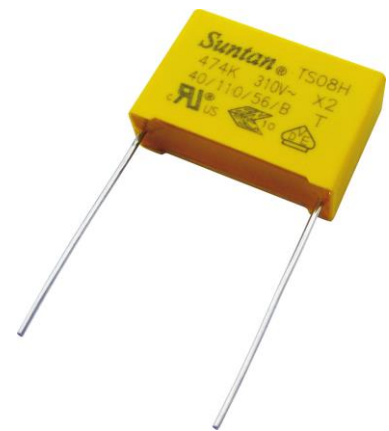
- High stability of capacitance under severe ambient condition, such as high temperature and high humidity.
- Good self-healing properties, withstanding surge voltage stressing.
- Excellent active and passive flame resistant abilities.

### SPECIFICATIONS

VOLTAGE RATING	310 VAC
CAPACITANCE RANGE	0.0047 to 10 $\mu$ F
CAPACITANCE TOLERANCE	$\pm$ 10% std.
OPERATING TEMPERATURE	-40 $^{\circ}$ C to +110 $^{\circ}$ C
VOLTAGE PROOF	Between Terminal 4.3UR DC /60s
DISSIPATION FACTOR	0.0047 $\mu$ F $\leq$ CR $\leq$ 0.47 $\mu$ F $\leq$ 0.1% (1KHz,20 $^{\circ}$ C) 0.47 $\mu$ F $\leq$ CR $\leq$ 1.0 $\mu$ F $\leq$ 0.2% (1KHz,20 $^{\circ}$ C) 1.0 $\mu$ F $\leq$ CR $\leq$ 10 $\mu$ F $\leq$ 0.3% (1KHz,20 $^{\circ}$ C)
INSULATION RESISTANCE	CR $\leq$ 0.33 $\mu$ F, I.R $\geq$ 15,000M $\Omega$ CR > 0.33 $\mu$ F, I.R $\geq$ 5,000S(20 $^{\circ}$ C, 100V,1min)

### APPLICATIONS

- Across-the-line EMI filtering and connection in series with the mains for high stability grade applications in severe ambient conditions
- For capacitive divider power supply. Such as power meter, LED driver, and other sever ambient condition applications.

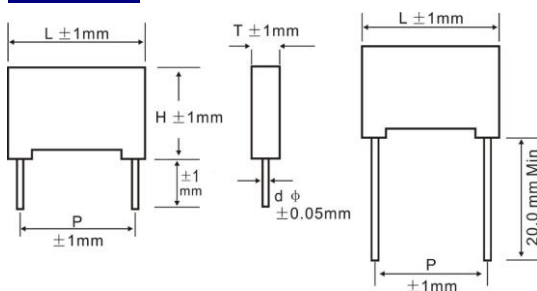


### Temperature Humidity Bias (THB)

HUMIDITY TEST	Temperature: 85 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C; Humidity: 85% $\pm$ 2% Loading Voltage: 240Vac (50Hz/60Hz) Duration: 500 Hours
CAPACITANCE CHANGE	$\leq$ 10% of initially measured value
DISSIPATION FACTOR	$\leq$ 2.5% at 1KHz

	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
cUL/ UL	CANADA / U.S.A	UL/IEC 60384-14	E344971	X2	0.0047 to 10 $\mu$ F	310/305/275VAC
VDE	GERMANY	DIN EN 60384-14 (VDE 0565 Teil 1-1)	40046769	X2	0.0047 to 10 $\mu$ F	310/305/275VAC
ENEC	EUROPE	EN 60384-14; IEC 60384-14	40046769	X2	0.0047 to 10 $\mu$ F	310/305/275VAC

### DRAWING



Dimensions Table for 310V AC:

(Unit : mm)

CAP	L $\pm$ 1.0	T $\pm$ 1.0	H $\pm$ 1.0	P $\pm$ 1.0	d $\phi$ $\pm$ 0.05	CAP	L $\pm$ 1.0	T $\pm$ 1.0	H $\pm$ 1.0	P $\pm$ 1.0	d $\phi$ $\pm$ 0.05
0.1	18	6	12	15	0.8	0.39	18	10	16	15	0.8
0.22	18	6	12	15	0.8	0.39	26.5	6	15	22.5	0.8
0.22	18	7.5	13.5	15	0.8	0.39	26.5	7	16.5	22.5	0.8
0.22	18	8.5	14.5	15	0.8	0.39	26.5	8.5	17	22.5	0.8
0.33	18	7.5	13.5	15	0.8	0.47	18	7.5	13.5	15	0.8
0.33	18	8.5	14.5	15	0.8	0.47	18	8.5	14.5	15	0.8
0.33	18	10	16	15	0.8	0.47	18	10	16	15	0.8
0.33	26.5	6	15	22.5	0.8	0.47	26.5	6	15	22.5	0.8
0.33	26.5	7	16.5	22.5	0.8	0.47	26.5	7	16.5	22.5	0.8
0.33	26.5	8.5	17	22.5	0.8	0.47	26.5	8.5	17	22.5	0.8
0.39	18	8.5	14.5	15	0.8	0.47	26.5	10	19	22.5	0.8

Please contact us for special item or size not listed

Note: Specifications are subject to change without notice. For more detail and update, please visit our website.