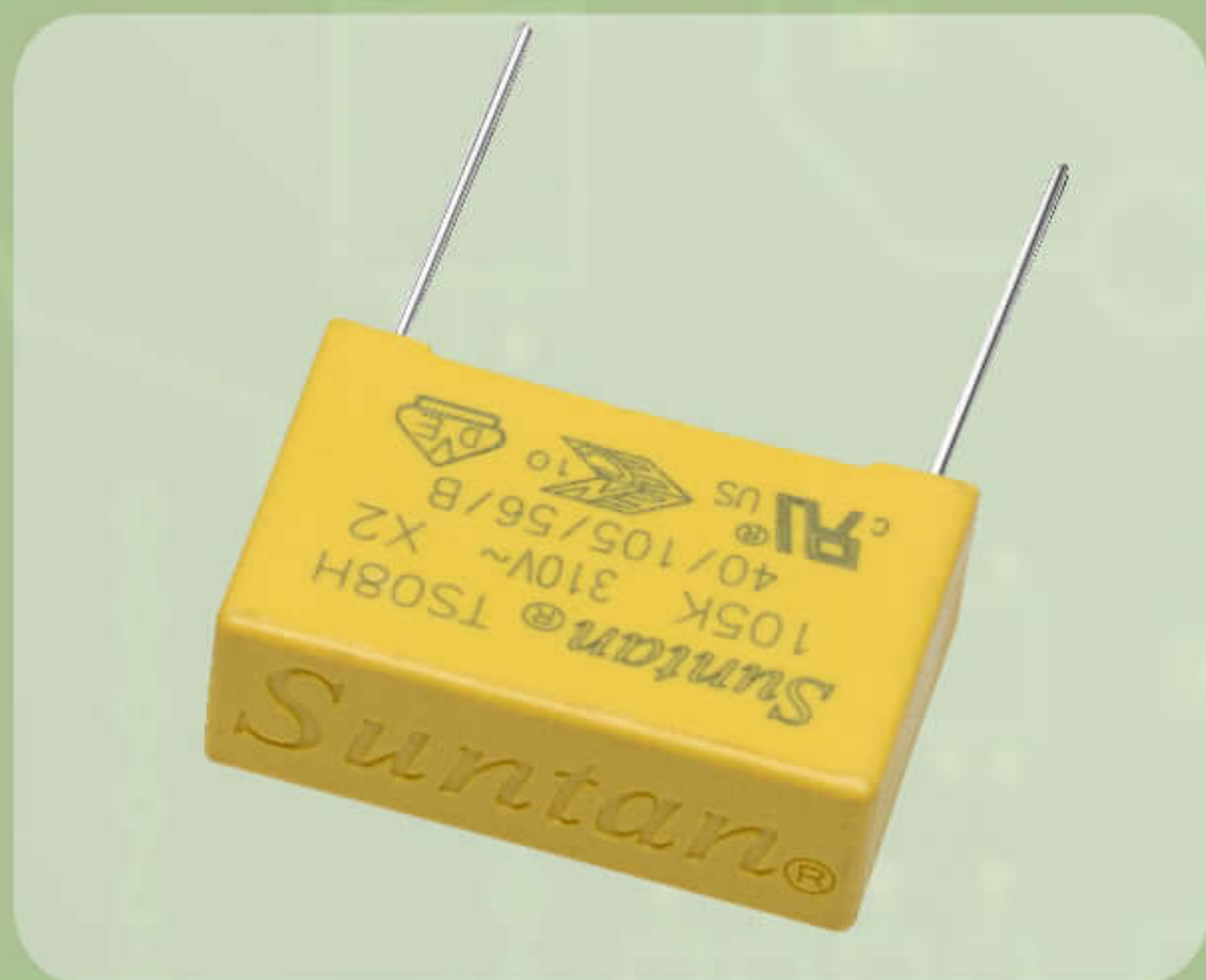


# Plastic Film Capacitors



Metallized Polypropylene Film Capacitor - X2

Box-type Metallized Polyester Film Capacitor

Mini Box Metallized Polyester Film Capacitor - Stacked

Box-type Metallized Polypropylene Film Capacitor - MPP

Box-type Double Sided Metallized Polypropylene Film Capacitor

三泰 科技 有 限 公 司  
**Suntan®** Technology Company Limited



TS01

**Mylar Capacitor**

- Operating Temperature: -40°C to +85°C
- Rated Voltage: DC 100V, 250V, 400V, 630V, 1000V, 1200V.
- Capacitance Range: 0.00027μF to 0.47μF
- Capacitance Tolerance: ±5%
- Dissipation Factor: ≤0.1 (AT 1KHz)
- Dielectric Strength: 200% of rated voltage for 5sec.



TS02

**Metallized Polyester Film Capacitor**

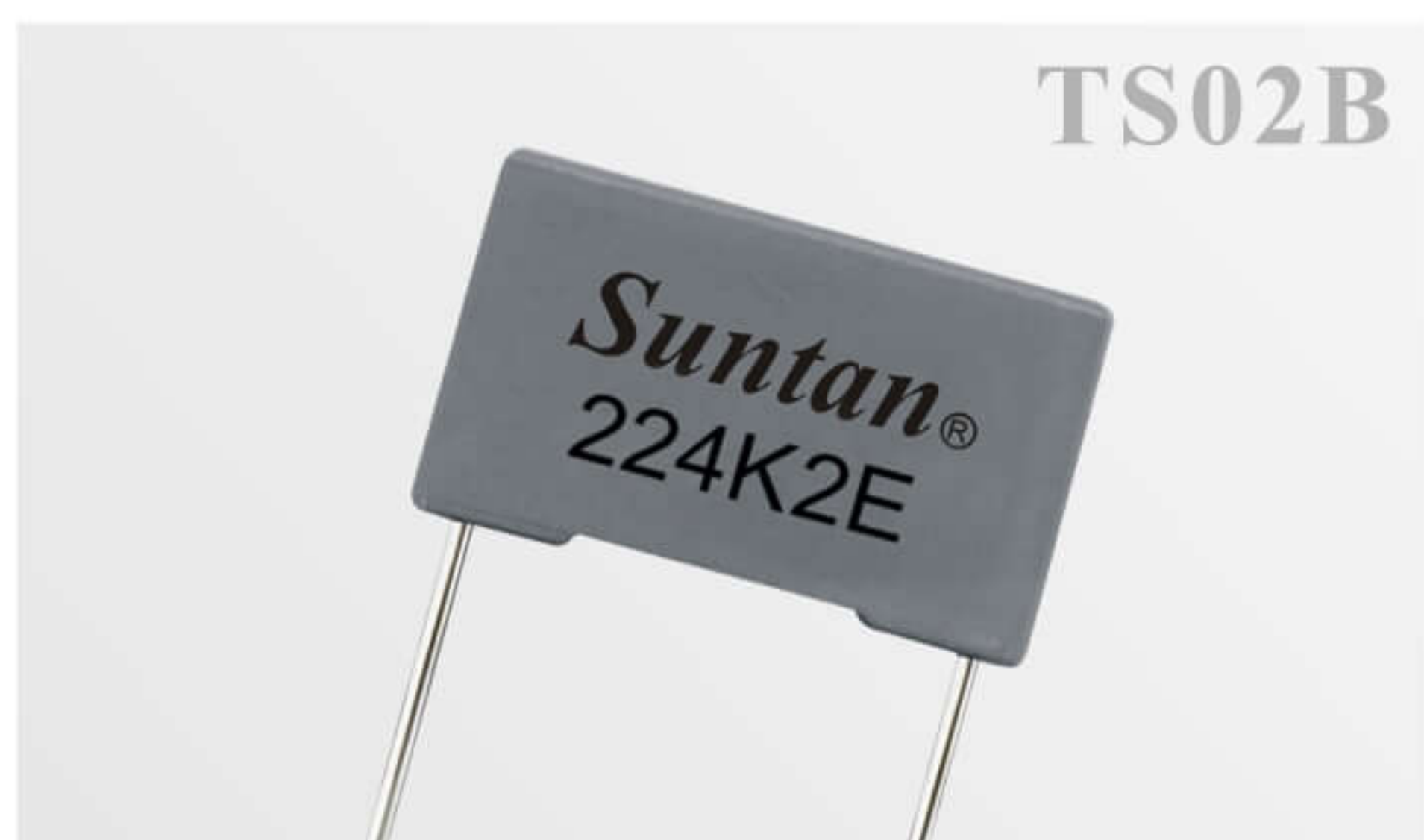
- Operating Temperature: -40°C to +85°C
- Rated Voltage: DC 100V, 250V, 400V, 630V
- Capacitance Range: 0.01μF to 6.8μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Dissipation Factor: ≤0.01 (AT 1KHz)
- Dielectric Strength: 150% of rated voltage for 5sec.



TS02A

**Metallized Polyester Film Capacitor - AC**

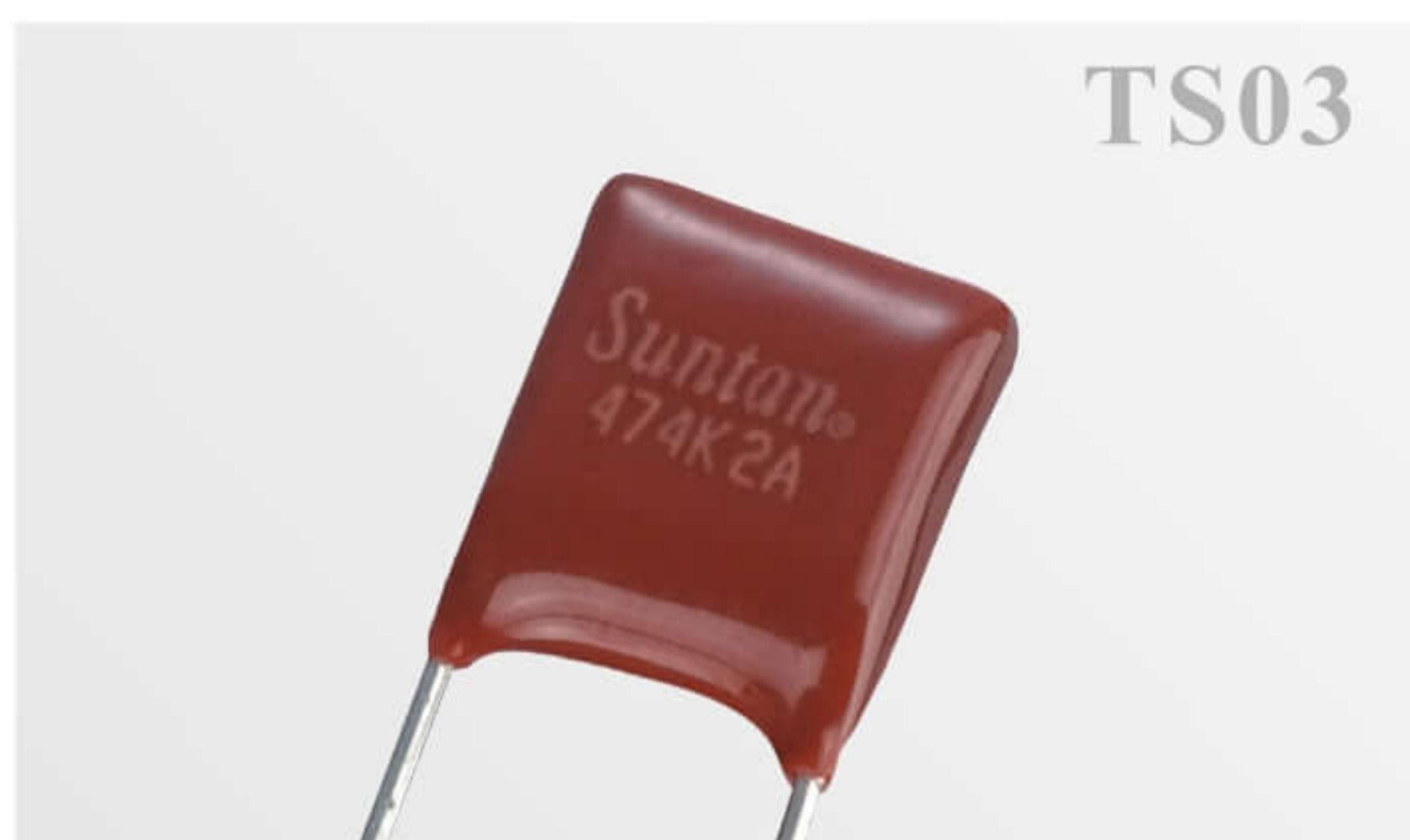
- Operating Temperature: -40°C to +85°C
- Rated Voltage: AC 250V
- Capacitance Range: 0.01μF to 4.7μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Dissipation Factor: 1% Max.(AT 1KHz)
- Dielectric Strength: 175% of rated voltage for 5sec.



TS02B

**Box-type Metallized Polyester Film Capacitor**

- Operating Temperature: 55/100/56
- Rated Voltage: DC 63V, 100V, 160V, 250V, 400V, 630V
- Capacitance Range: 0.0033μF to 2.2μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Voltage Proof: 1.6V<sub>R</sub> (5s)



TS03

**Miniature Size Metallized Polyester Film Capacitor**

- Rated Voltage: DC 50/63V, 100V, 160V, 250V, 400V
- Capacitance Range: 0.01μF to 0.03μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Dissipation Factor: ≤1.0% (20°C, 1KHz)



TS03Q

**Polyester Film Capacitor - Epoxy Dip Coated - Non-Inductive**

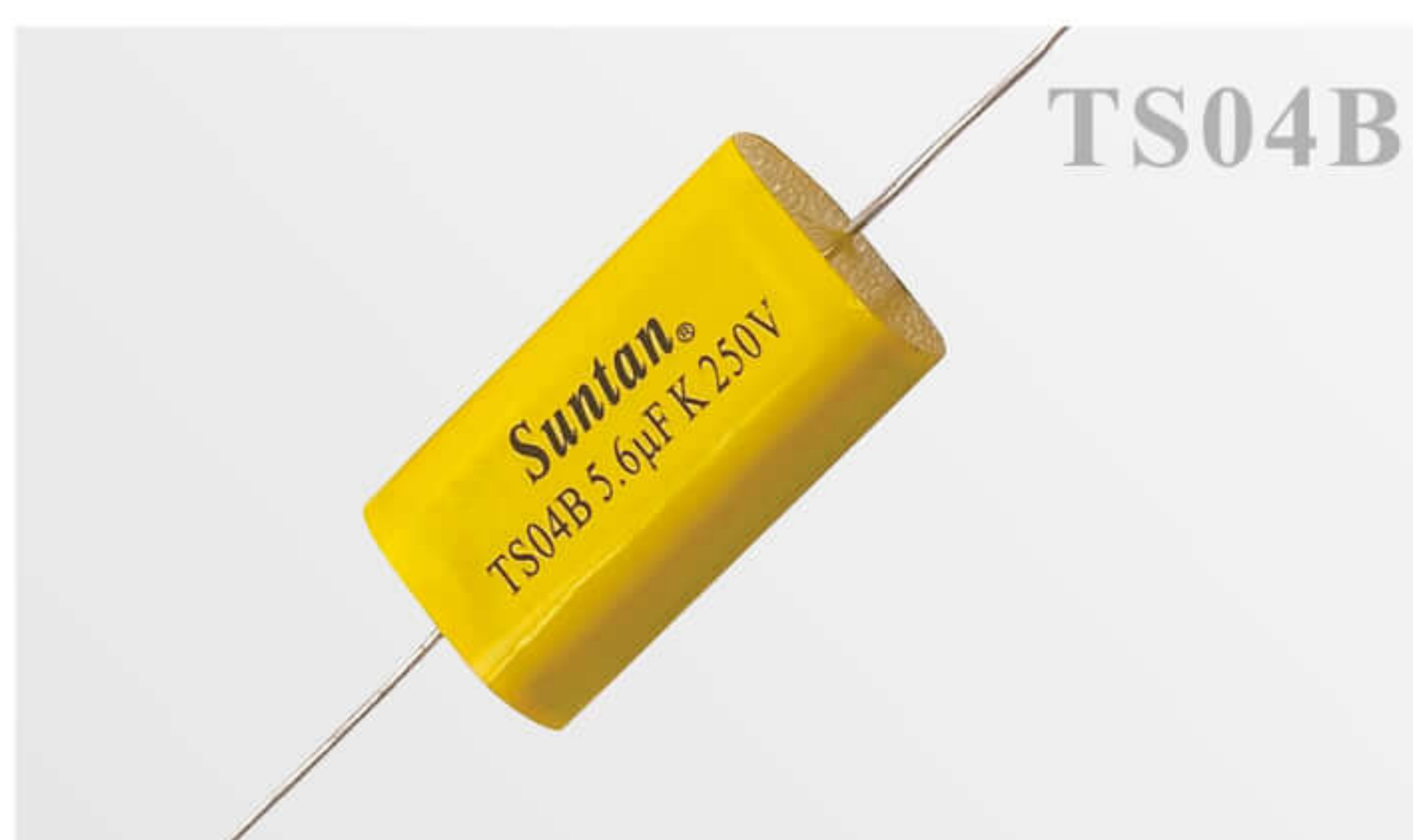
- Operating Temperature: -45°C to +85°C
- Rated Voltage: DC 100V
- Capacitance Range: 0.001μF to 0.033μF
- Capacitance Tolerance: ±5%
- Dissipation Factor: ≤0.01 (1.0%) at 1 KHz.



TS04A

**Metallized Polyester Film Capacitor - Axial - Cycloidal**

- Operating Temperature: -40°C to +105°C
- Rated Voltage: DC 100V, 250V, 400V, 630V
- Capacitance Range: 0.033μF to 68μF
- Capacitance Tolerance: ±5%, ±10%
- Withstand voltage: 1.6V<sub>R</sub> 2s (1.5V<sub>R</sub> 5s)



TS04B

**Metallized Polyester Film Capacitor - Axial - Oval**

- Operating Temperature: -40°C to +105°C
- Rated Voltage: DC 100V, 250V, 400V, 630V
- Capacitance Range: 0.01μF to 68μF
- Capacitance Tolerance: 5%, ±10%
- Withstand voltage: 1.6V<sub>R</sub> 2s (1.5V<sub>R</sub> 5s)



TS04C

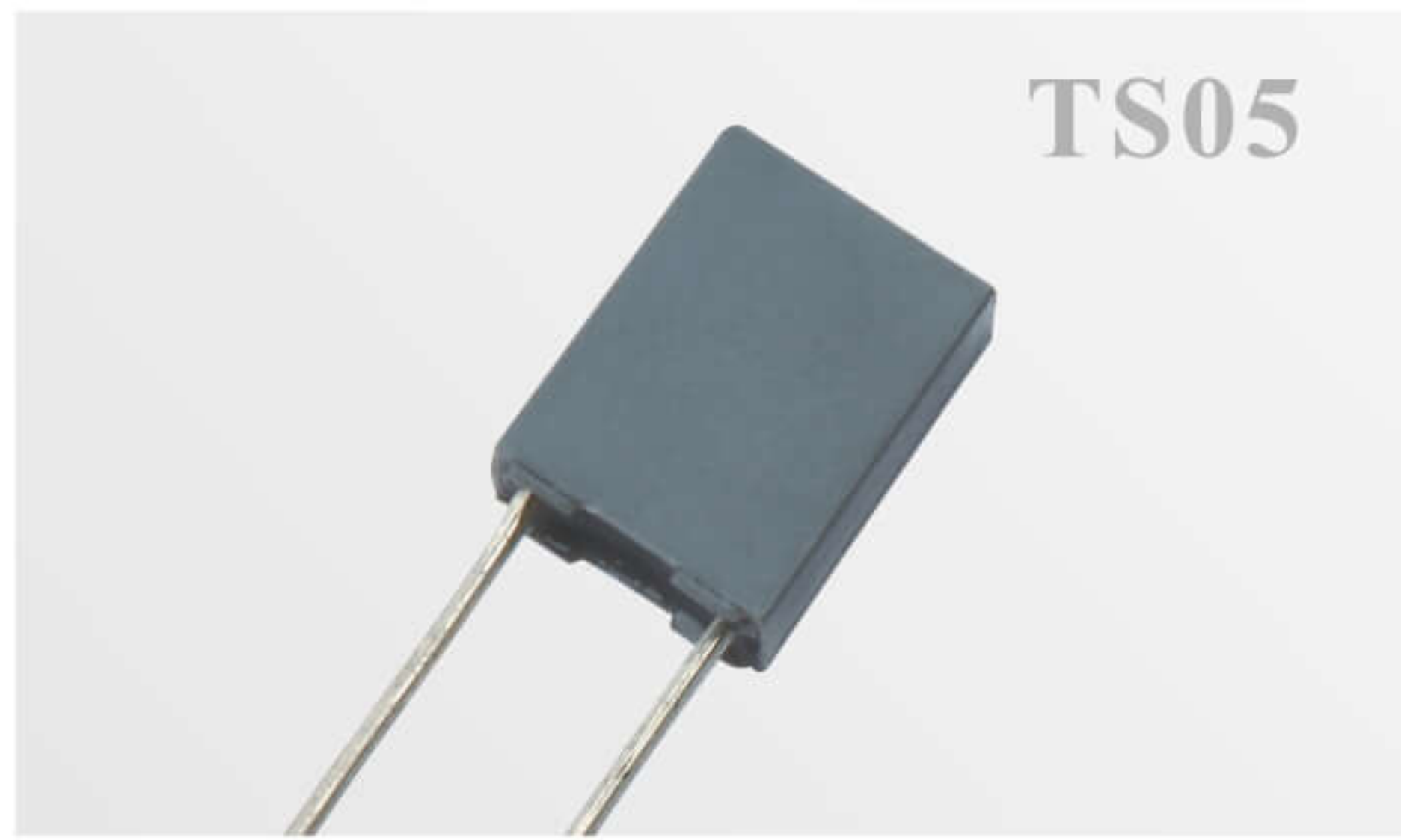
**Metallized Polypropylene Film Capacitor - Axial - Cycloidal**

- Operating Temperature: -55°C to +100°C
- Rated Voltage: DC 250V, 400V, 630V, 1000V, 1250V
- Capacitance Range: 0.047μF to 56μF
- Capacitance Tolerance: ±5%, ±10%
- Withstand voltage: 1.7V<sub>R</sub> 2s (1.5V<sub>R</sub> 5s)



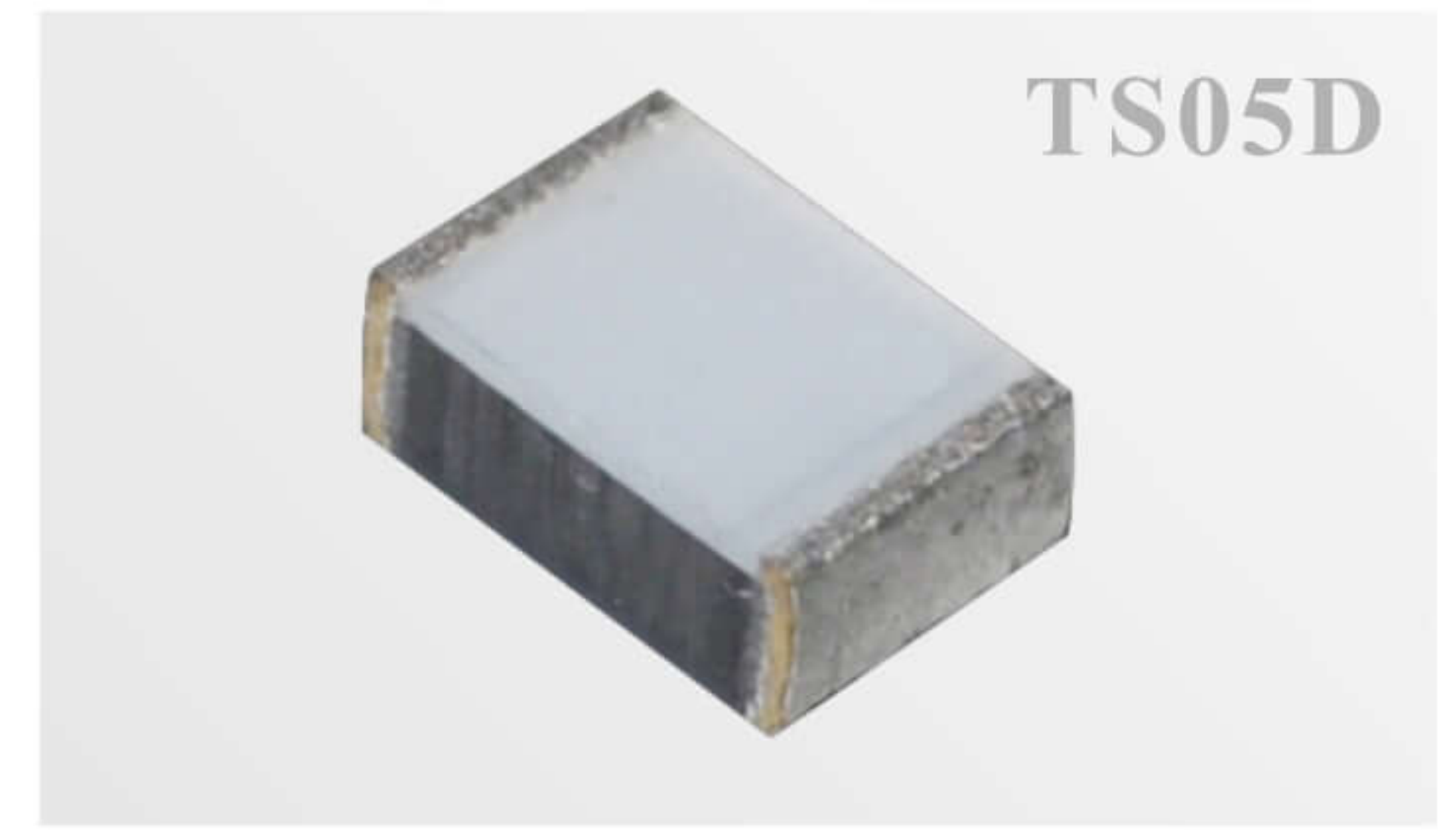
**Metallized Polypropylene Film Capacitor - Axial - Oval**

- Operating Temperature: -55°C to +100°C
- Rated Voltage: DC 250V, 400V, 630V, 1000V, 1250V
- Capacitance Range: 0.022μF to 47μF
- Capacitance Tolerance: ±5%, ±10%
- Withstand voltage : 1.7V<sub>R</sub> 2s (1.5V<sub>R</sub> 5s)



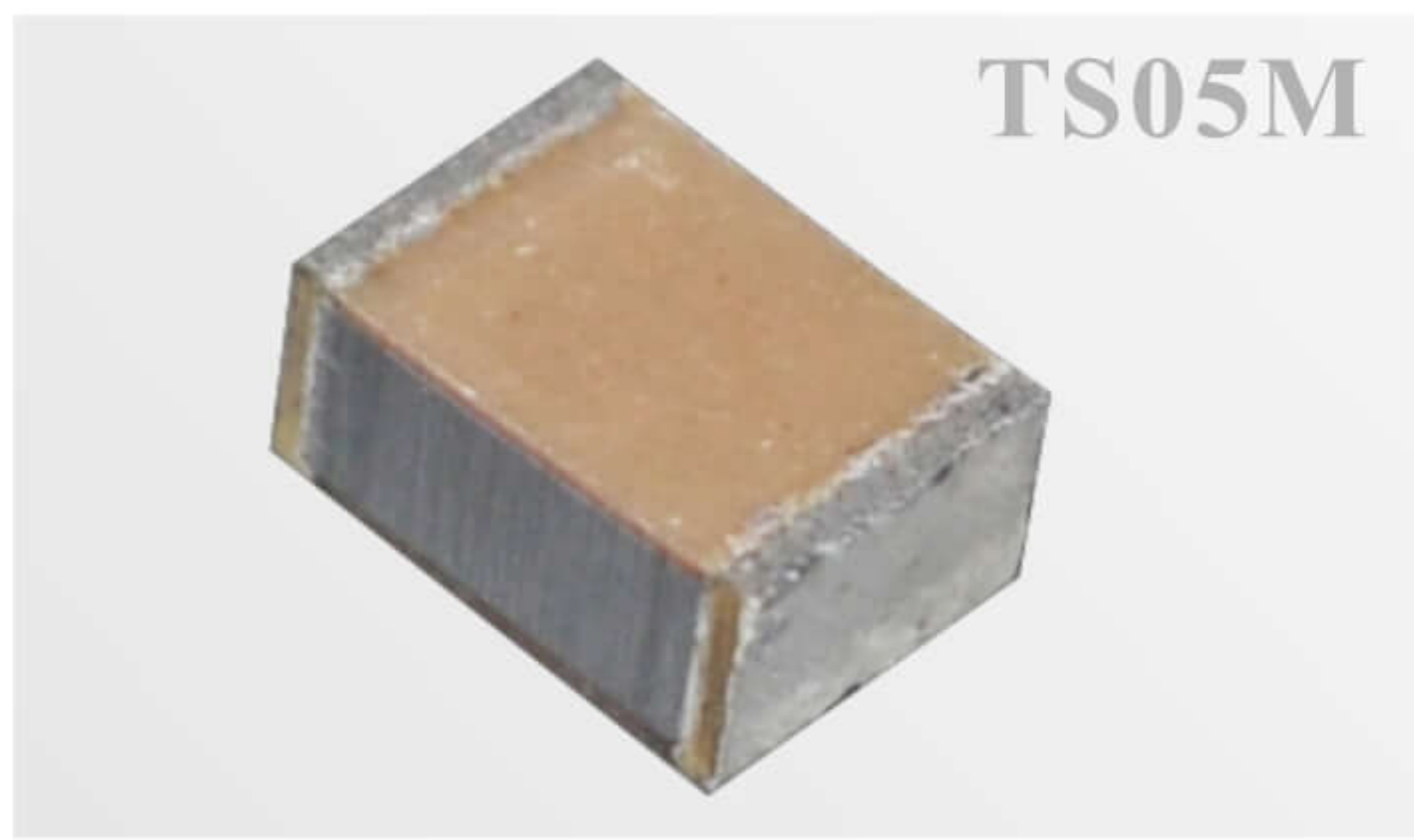
**Metallized Polyester Film Capacitor - Mini Box**

- Operating Temperature: -55°C to +105°C
- Rated Voltage: DC 50/63V, 100V, 250V, 400V, 500V, 630V
- Capacitance Range: 0.001μF to 1.0μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Voltage Proof : Type A: 1.6V<sub>R</sub> (5s) ; Type B: 1.4V<sub>R</sub> (5s)



**Metallized Polyethylene Naphthalate Film Capacitor - Stacked SMD**

- Operating Temperature: -55°C to +125°C
- Rated Voltage: DC 50/63V, 100V, 250V, 400V, 630V
- Capacitance Range: 0.001μF to 1.0μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Dissipation Factor: ≤0.008(1KHz)



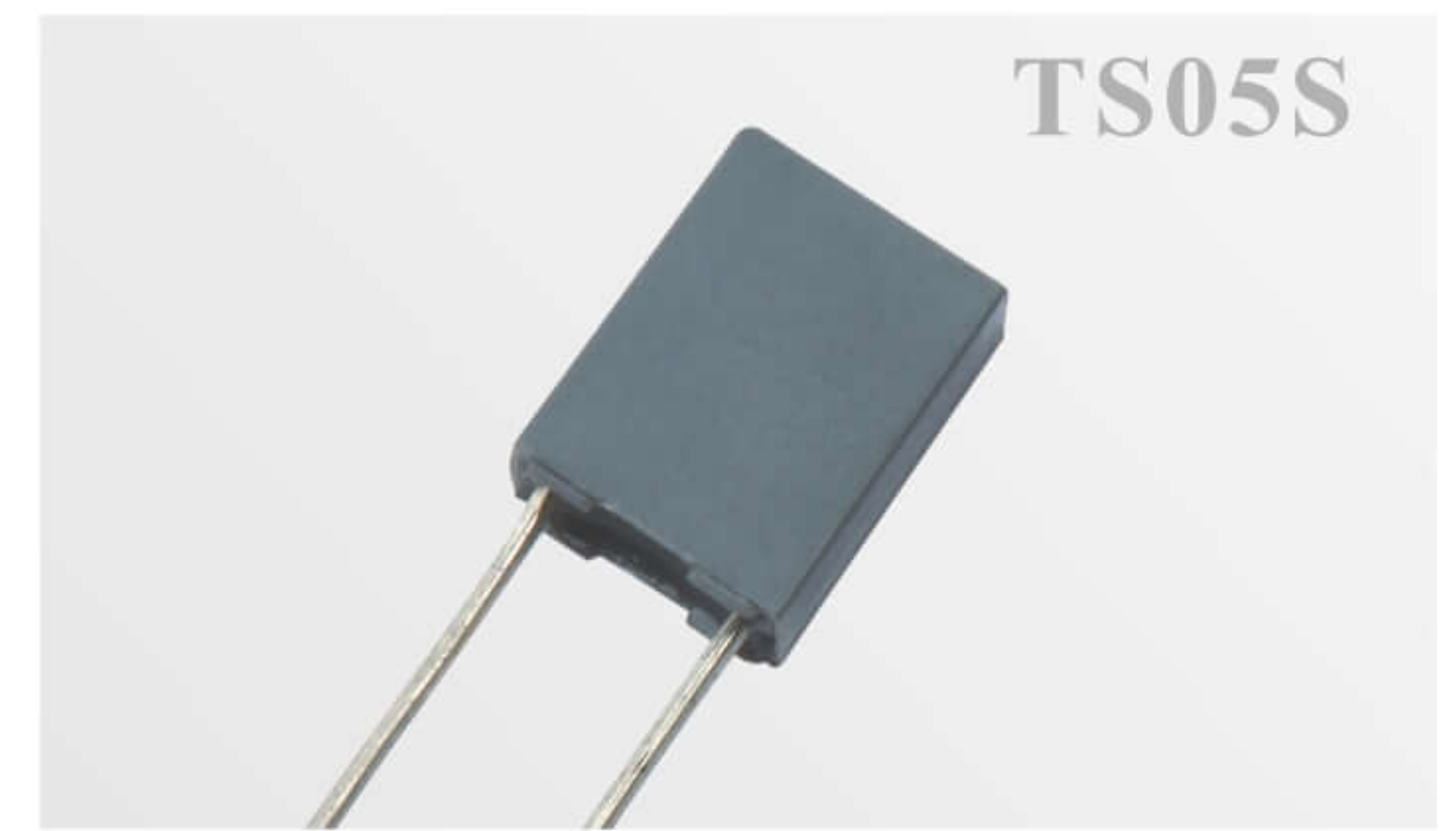
**Metallized Polyphenylene Sulfide Film Capacitor - Stacked SMD**

- Operating Temperature: -55°C to +125°C
- Rated Voltage: DC 16V, 50V
- Capacitance Range: 0.0001μF to 0.1μF
- Capacitance Tolerance: ±5%, ±10%
- Voltage Proof: 1.50V<sub>R</sub> (5s)
- Dissipation Factor: ≤0.006(1KHz)



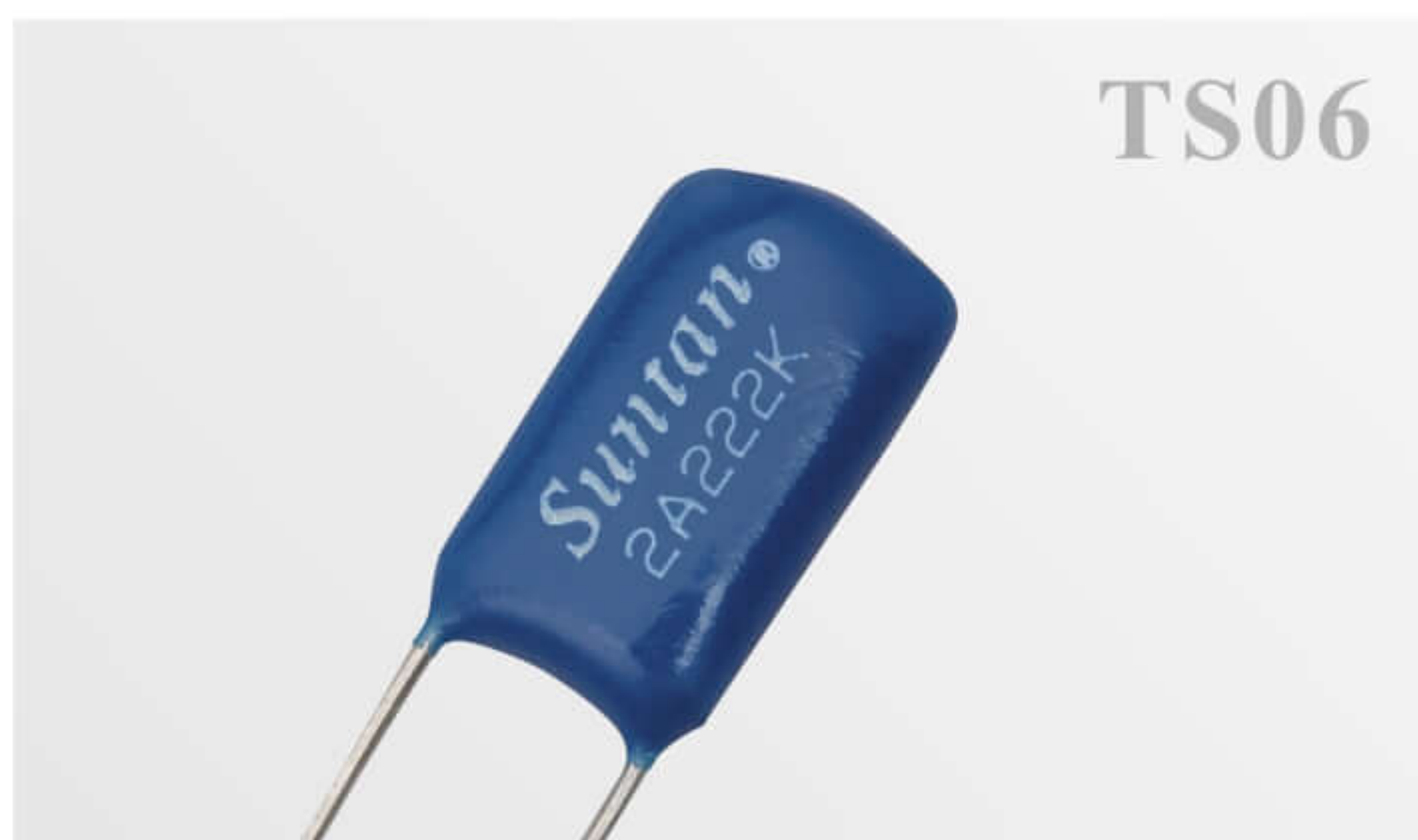
**Metallized Polyester Film Capacitor - Stacked & Uncoated**

- Operating Temperature: -55°C to +105°C
- Rated Voltage: DC 63V, 100V, 250V, 400V, 630V, 1000V
- Capacitance Range: 0.001μF to 10μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Voltage Proof : 1.40V<sub>R</sub> (2)



**Mini box Metallized Polyester Film Capacitor - Stacked**

- Operating Temperature: -55°C to +105°C
- Rated Voltage: DC 50/63V, 100V, 250V, 400V, 500V, 630V
- Capacitance Range: 0.001μF to 1.0μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Voltage Proof : Type A: 1.6 V<sub>R</sub> (5s) ; Type B: 1.4 V<sub>R</sub> (5s)



**Polypropylene Film Capacitor - PPI**

- Operating Temperature: -40°C to +85°C
- Rated Voltage: DC 100V, 250V, 400V, 630V
- Capacitance Range: 0.00047μF to 0.18μF
- Capacitance Tolerance: ±5%, ±10%
- Dissipation Factor: ≤0.001 for C≤0.068μF ; ≤0.002 for C>0.068 μF
- Dielectric Strength: 250% of rated voltage for 5sec.



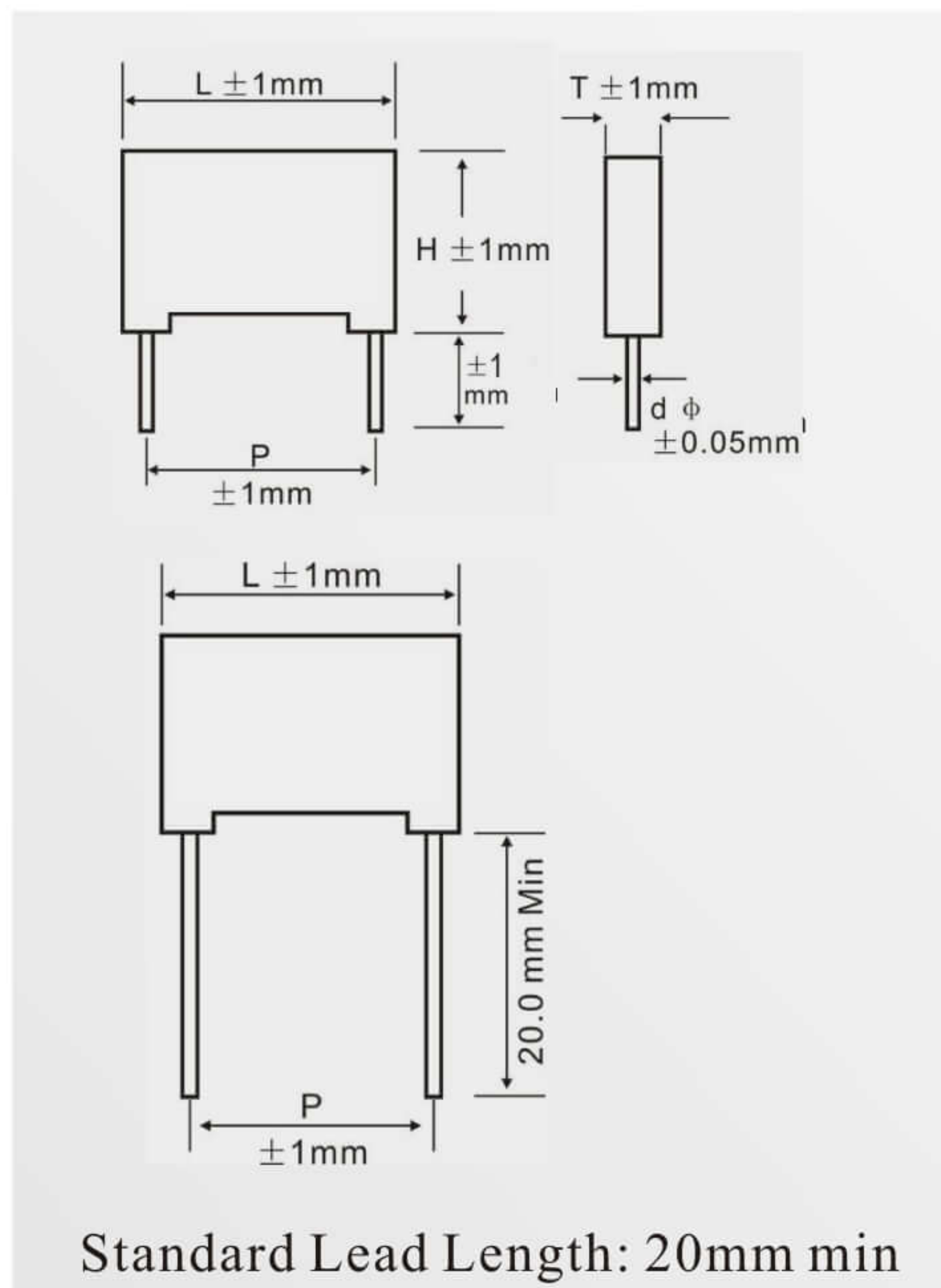
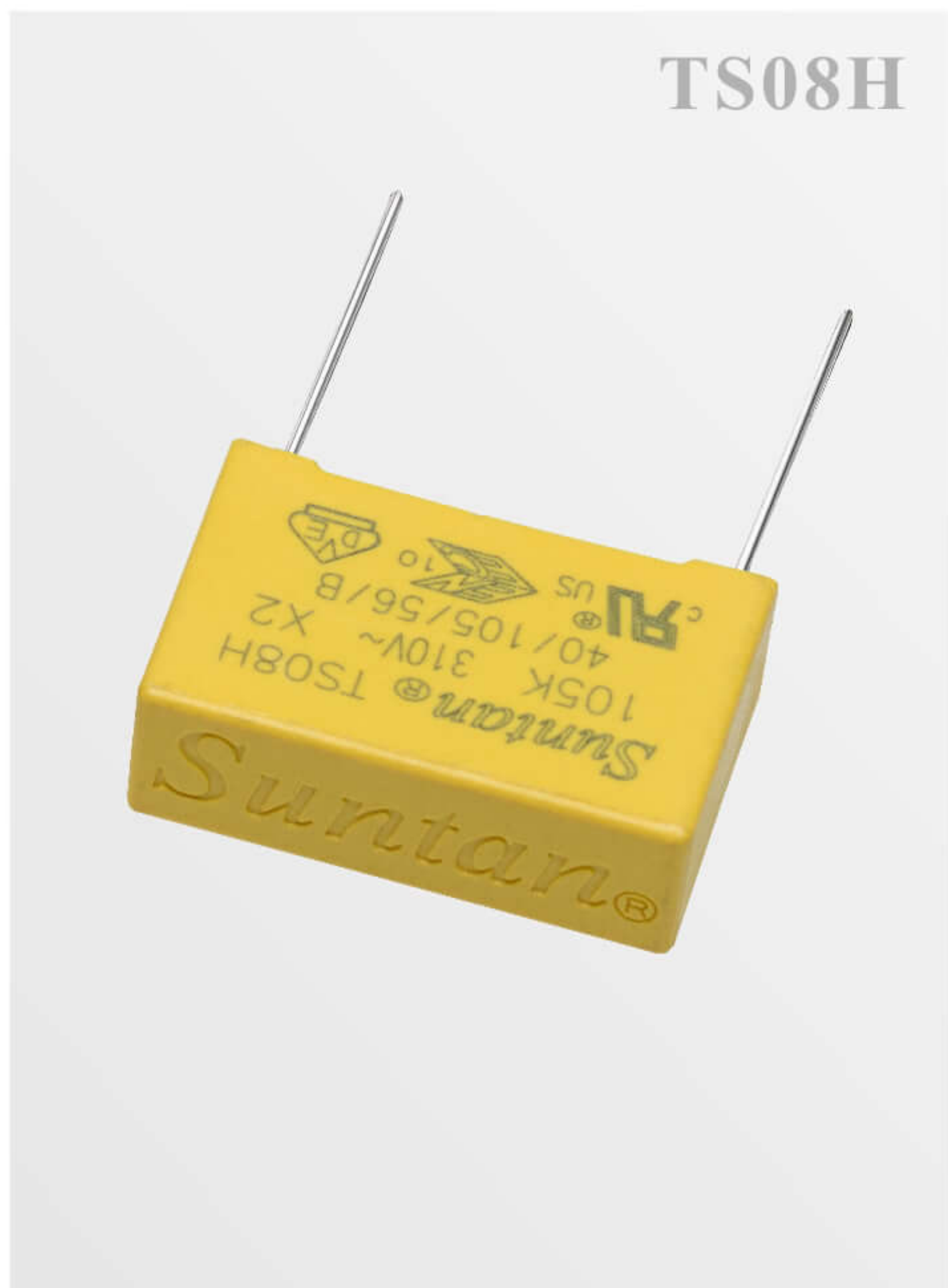
**Metallized Polypropylene Film Capacitor - MPP**

- Operating Temperature: -40°C to +85°C
- Rated Voltage: DC 100V, 250V, 400V, 630V
- Capacitance Range: 0.01μF to 8.2μF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Dissipation Factor: ≤0.002 (at 1KHz)
- Dielectric Strength: 150% of rated voltage for 5sec.



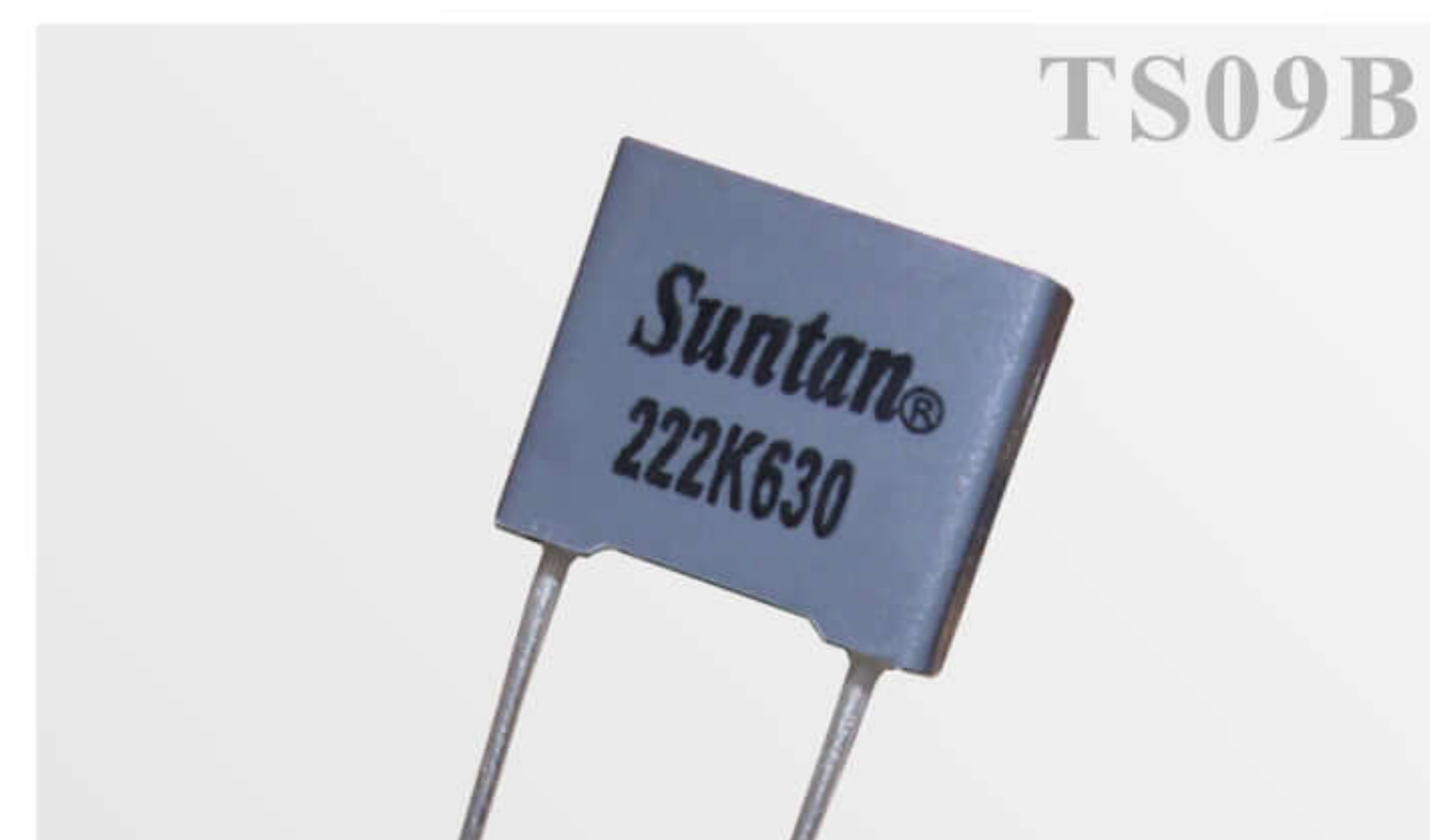
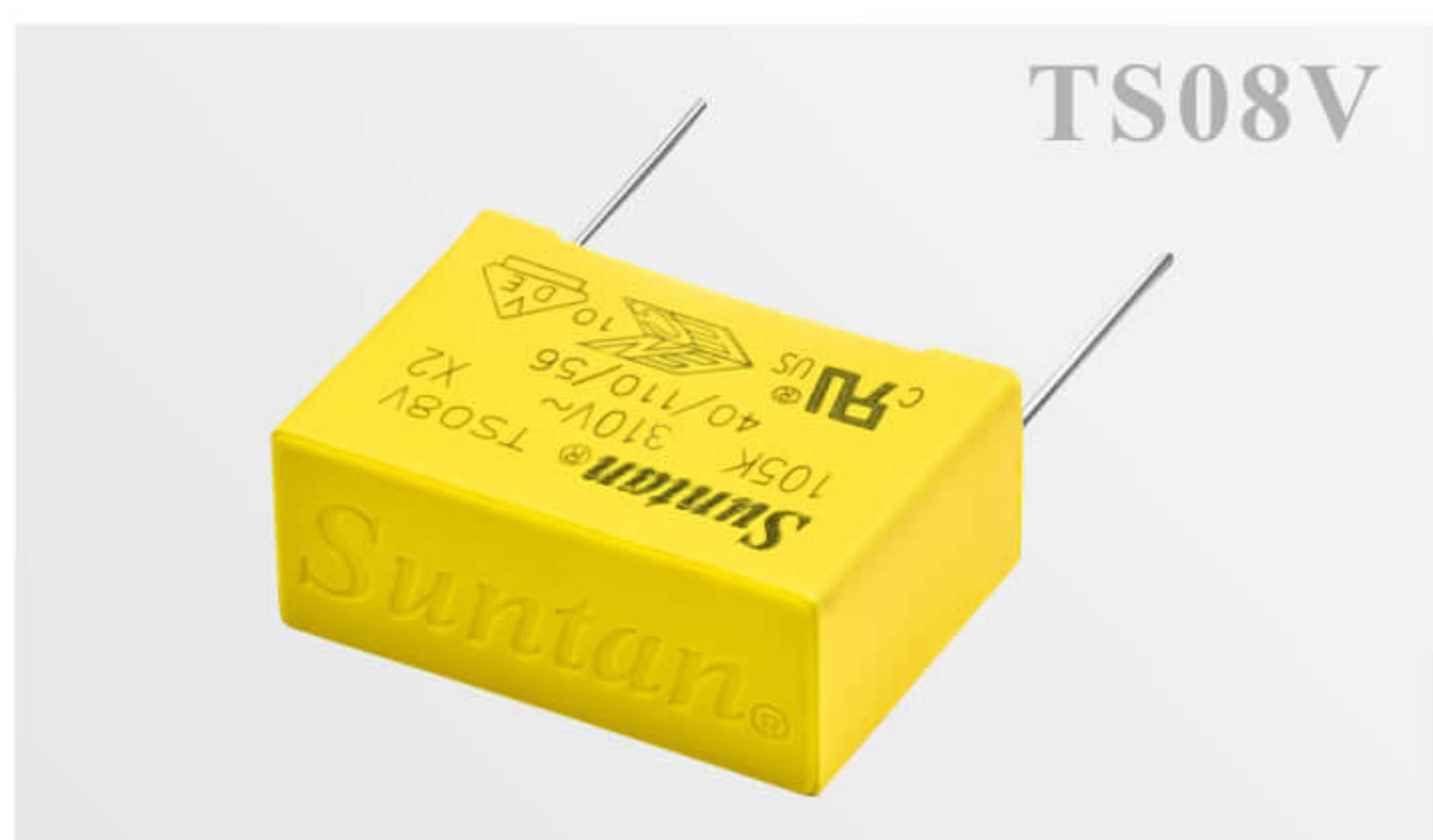
**Box-type Metallized Polypropylene Film Capacitor - MPP**

- Operating Temperature: -40°C to +85°C
- Rated Voltage: DC 250V, 400V, 630V, 1000VDC/500VAC
- Capacitance Range: 4700pF to 3.3μF
- Capacitance Tolerance: ±2%, ±5%, ±10%
- Dissipation Factor: 0.1% max. at 1kHz, 25°C
- Dielectric Strength: 150% of rated voltage for 5 sec.



**Metallized Polypropylene Film Capacitor - X2**

- Voltage Rating: 310 VAC
- Capacitance Range: 0.0047 – 10 $\mu$ F
- Capacitance Tolerance:  $\pm$ 10% std.
- Operating Temperature: -40°C to 105°C
- Testing Voltage: 4.3URDC/5s
- Dissipation Factor: 0.0010 $\mu$ F $\leq$ CR $\leq$ 0.47 $\mu$ F $\leq$ 0.1% (1KHz,20°C)  
0.47 $\mu$ F $\leq$ CR $\leq$ 1.0 $\mu$ F $\leq$ 0.2% (1KHz,20°C)  
1.0 $\mu$ F $\leq$ CR $\leq$ 10 $\mu$ F $\leq$ 0.3% (1KHz,20°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°C, 100V,1min)



**Metallized Polypropylene Film Capacitor - X2**

- Voltage Rating: 310 VAC
- Capacitance Range: 0.0022 – 2.2 $\mu$ F
- Capacitance Tolerance:  $\pm$ 10% std.
- Operating Temperature: -40°C to 110°C
- Testing Voltage: 4.3URDC/5s
- Dissipation Factor: 0.0010 $\mu$ F $\leq$ CR $\leq$ 0.47 $\mu$ F $\leq$ 0.1% (1KHz,20°C)  
0.47 $\mu$ F $\leq$ CR $\leq$ 1.0 $\mu$ F $\leq$ 0.2% (1KHz,20°C)  
1.0 $\mu$ F $\leq$ CR $\leq$ 10 $\mu$ F $\leq$ 0.3% (1KHz,20°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°C, 100V,1min)

**High Voltage Metallized Polypropylene Film Capacitor**

- Operating Temperature: -40°C to +85°C
- Rated Voltage: DC 1000V, 1250V, 1500V, 1600V, 2000V
- Capacitance Range: 0.001 $\mu$ F to 0.15 $\mu$ F
- Capacitance Tolerance:  $\pm$ 5%,  $\pm$ 10%
- Dissipation Factor:  $\leq$ 0.08% (20°C, 10KHz)

**Box-type Double Sided Metallized Polypropylene Film Capacitor**

- Operating Temperature: -40°C to +105°C
- Rated Voltage: DC 250V, 400V, 630V, 1000V, 1400/1600V, 2000V
- Capacitance Range: 0.00022 $\mu$ F to 3.9 $\mu$ F
- Capacitance Tolerance:  $\pm$ 2%,  $\pm$ 3%,  $\pm$ 5%,  $\pm$ 10%,  $\pm$ 20%
- Dissipation Factor:  $\leq$ 0.001, (1KHz, 20°C)



**Polystyrene Film Capacitor PSA & PSR**

- Operating Temperature: -40°C to +70°C
- Rated Voltage: DC 33V, 50V, 100V, 125V, 250V, 500V, 630V
- Capacitance Range: 10pF to 10000pF
- Capacitance Tolerance:  $\pm$ 1%,  $\pm$ 2%,  $\pm$ 2.5%,  $\pm$ 5%,  $\pm$ 10%
- Dissipation Factor: C $>$ 330pF, DF $<$ 0.1%, Q $>$ 1000 at 1KHz

**Motor Starting Capacitor-CBB61**

- Operating Temperature: -25°C to +70°C or -40°C to +85°C
- Rated Voltage: 200~600VAC or 250~1500VDC
- Capacitance Tolerance:  $\pm$ 5%, +10% to -5%,  $\pm$ 10%
- Dissipation Factor: Below 0.3% or 0.1%
- Insulation Resistance: Above 2000M $\Omega$

**Motor Starting Capacitor-CBB60**

- Operating Temperature: -25°C to +70°C or -40°C to +85°C
- Rated Voltage: 200~600VAC or 250~1500VDC
- Capacitance Tolerance:  $\pm$ 5%, +10% to -5%,  $\pm$ 10%
- Dissipation Factor: Below 0.3% or 0.1%
- Insulation Resistance: Above 2000M $\Omega$