



SMP253MA Series Class Y2 Metalized Paper SMD Capacitors

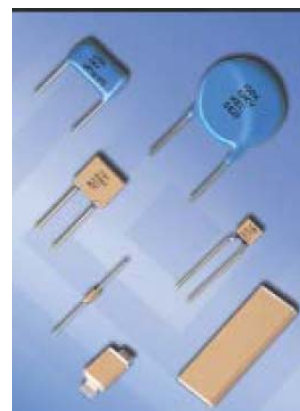
General Description:

SMP253 series capacitors are metalized paper SMD capacitors. The capacitors are intended for use as interference suppressors in Y2 applications.

Multi-layer metalized paper. Encapsulated and impregnated in self-extinguishing material meeting the requirements of UL 94V-0.

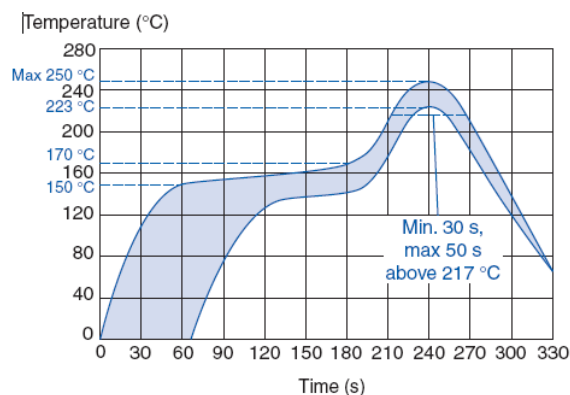
The capacitors have rated voltage of 250VAC 50/60 Hz, with 0.001 – 0.0047 μF range.

The 100% screening factory test is carried out at 3000 VDC. The voltage level is selected to meet the requirements in applicable equipment standards.



Key Features:

- Rated voltage: 250 VAC 50/60 Hz
- Capacitance range: 0.001 – 0.0047 μF
- Capacitance tolerance: $\pm 20\%$
- Temperature range: -40 to $+100^\circ\text{C}$
- Climatic category IEC: 40/100/56/B
- Approvals: S, UL, CSA
- Dissipation factor $\tan\delta$: $\leq 1.3\%$ at 1 kHz
- Insulation resistance: $\geq 12000\text{ M}\Omega$ Measured at 500 VDC after 60 s, $+23^\circ\text{C}$
- Test voltage between terminals: The 100% screening factory test is carried out at 3000 VDC. The voltage level is selected to meet the requirements in applicable equipment standards. All electrical characteristics are checked after the test.



Applications:

- Interference suppressors in Y2 applications, &
- Line-to-earth.

Related Products Information:

Mfr Part #	Farnell #	Newark #	Description
SMP253MA4100MTR24	1789678	-	CAPACITOR, Y2, 250V, 1NF
SMP253MA4150MTR24	1789679	-	CAPACITOR, Y2, 250V, 1.5NF
SMP253MA4220MTR24	1789680	-	CAPACITOR, Y2, 250V, 2.2NF
SMP253MA4250MTR24	1789681	-	CAPACITOR, Y2, 250V, 2.5NF
SMP253MA4330MTR24	1789682	-	CAPACITOR, Y2, 250V, 3.3NF
SMP253MA4390MTR24	1789683	-	CAPACITOR, Y2, 250V, 3.9NF
SMP253MA4470MTR24	1789684	-	CAPACITOR, Y2, 250V, 4.7NF