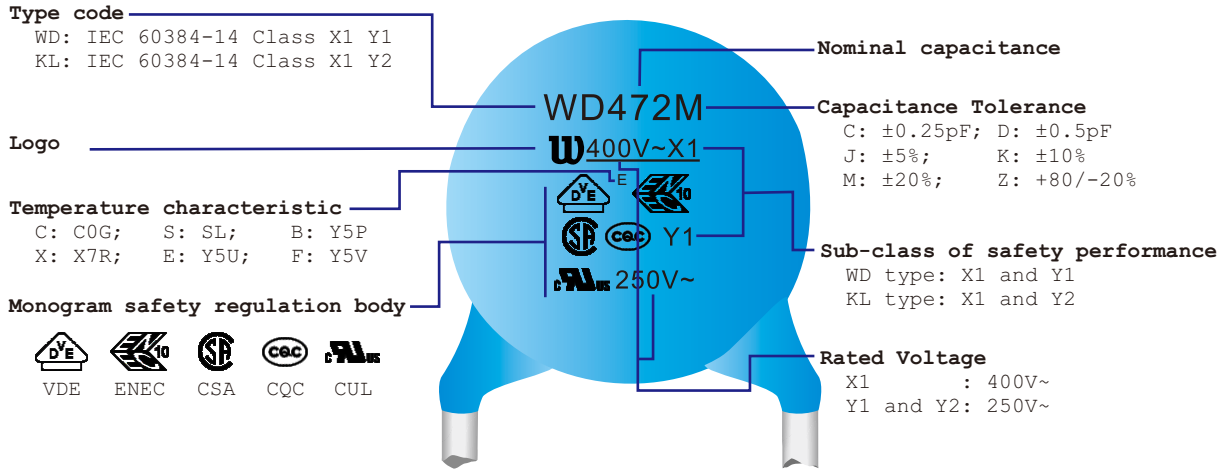


Safety recognized ceramic capacitors

Marking and general specifications

Marking



General Specifications

Characteristics	X1 Y1 (WD type)	X1 Y2 (KL type)
Capacitance Range	1pF to 0.01μF	1pF to 0.015μF
Rated Voltage (U _R)	X1: 760/400Vac Y1: 500/250Vac	X1: 440/400Vac Y2: 300/250Vac
Dielectric Strength	4000VAC(50Hz~60Hz, 50mA max.) for 1minute	2600VAC(50Hz~60Hz, 50mA max.) for 1minute
Capacitance (C _R)	Within the specified tolerance Y5P, Y5U, Y5V, X7R measured at 1KHz±20% COG, SL measured at 1MHz±20% Both are 1Vrms, 25°C	
Dissipation Factor (tan δ) or Q Value	SL and COG: C _R ≥ 30pF, Q ≥ 1000; C _R < 30pF, Q ≥ 400+20C _R Measured Condition see "Capacitance"	Y5P, Y5U, X7R: tan δ ≤ 0.025 Y5V: tan δ ≤ 0.050
Insulation Resistance (IR)	10000MΩ minimum at 500VDC for 1 minute	
Operating Temperature Range	-25°C to +125°C (-25°C to +85°C in case of the standard of UL/CSA) -55°C to +125°C for COG, SL and X7R	

Temperature Characteristic Curves

