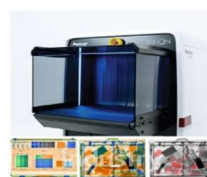
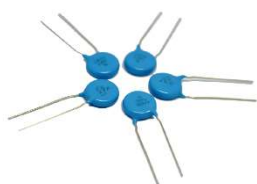


Replacing Murata's EOL "Ultra High Voltage" UHV series

The SAMWHA UHV (Ultra High Voltage) Ceramic Capacitor series utilizes advanced ceramic technology to ensure extended lifespan and exceptional reliability. These capacitors are designed for various applications, including SMPS (Switched-Mode Power Supplies), X-ray equipment, and DC pulse high voltage applications within the realm of power electronics.



● Summary of key features

- Wide rated voltage (DC10kV~30kV), nominal capacitance range (10~4700pF)
- Flame-retardant insulating coating applied
- Low Losses Dissipation Factor (SL, Y5R)

● Applications

- X-Ray equipment (Medical, Dental, Industrial, Security and Veterinary)
- Industrial Ionizer, Pulse generator for laboratory
- Electrostatic Powder Coating Machine, Polyethylene Sealing Machine
- Lightning arresters, Voltage Distribution Systems
- High Voltage Ignitor, Lasers, etc.

● Reference

- Japan : Canon, Shimadzu, Rigaku (X-Ray) / Origin (High Voltage SMPS) / Daihen (Welding M/C)
- Korea : Vatech, Ray, Poscom, Zenoray (X-Ray) / ICD (Display MFG M/C) / Ecotronic (Fish Detector)
- Europe/USA : Carestream, Coramax (X-Ray) / LTB (UV Laser)

● Specification

Characteristics	Class1		Class2				
	O (SL)	N (4700)	XR (X7R)	R (Y5R)	B (Y5P)	E (Y5U)	F (Y5V)
Temp. Range (TCC)	+20°C~+85°C	+20°C~+85°C	-55°C~+125°C	-25°C~+85°C	-25°C~+85°C	-25°C~+85°C	-25°C~+85°C
Temp. Coefficient	-1000~+350ppm	-4700±1000ppm	-15%~+15%	-15%~+15%	-10%~+10%	-56%~+22%	-82%~+22%
Capacitance (pF)	10~100pF	100~2200pF	100~1000pF	100~1000pF	100~1000pF	1000~4700pF	1000~4700pF
Rated Voltage (RV)	10~20kVdc	10~20kVdc	10~15kVdc	10~15kVdc	10~15kVdc	10~30kVdc	10~15kVdc

