

Snap mount type aluminum electrolytic capacitors HU Series 475V — Useful of 4,000 hours at 105°C



Features

- The HU series is the miniaturization products of 4,000 hours.
- Rating 475V.DC is added in the series.
- Conform RoHS

Product Specifications

Items	Specifications
Temperature range	-25~+105°C
Rated voltage	475V.DC
Surge voltage	525V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
tanδ	Max. 0.2 (20°C, 120Hz)
Leakage current	0.02CV (μA) or 3 (mA), whichever is smaller or less (20°C, after 5 minutes) C=nominal capacitance (μF), V=rated voltage (V)
Endurance	After the rated voltage with specified ripple current is applied at 105°C for 2,000 hours. Capacitance change : Within ±20% of the initial value measures Dissipation factor : 200% or less than the initial value specified Leakage current : Less than or equal to the initial value specified

Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size φD × L (mm)	Ripple current (Arms) 105°C, 120Hz	ESR (typ.) (mΩ) 20°C, 100Hz	Product name
475	180	22 × 45	1.00	540	HU475V181MCXS6WPEC
		22 × 50	1.16	440	HU475V221MCXS7WPEC
	220	25 × 40	1.15	440	HU475V221MCYS5WPEC
		25 × 45	1.33	360	HU475V271MCYS6WPEC
	330	25 × 55*	1.56	290	HU475V331MCYS8WPEC
		30 × 40	1.48	290	HU475V331MCZS5WPEC
	390	30 × 45	1.67	250	HU475V391MCZS6WPEC
	470	30 × 55*	1.94	210	HU475V471MCZS8WPEC
		35 × 40	1.82	210	HU475V471MCAS5WPEC
	560	30 × 60*	2.17	180	HU475V561MCZS9WPEC
		35 × 45	2.05	180	HU475V561MCAS6WPEC
	680	35 × 55*	2.39	150	HU475V681MCAS8WPEC

*When this capacitor is mounted on printed circuit board, reinforce it with any mounting adhesives.

Contact us

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■ Ripple current correction coefficient [Temperature]

Temperature (°C)	60	70	85	105
Correction coefficient	1.9	1.7	1.4	1.0

■ Ripple current correction coefficient [Frequency]

Frequency (Hz)	50/60	120	300	1K	10K ≤
Correction coefficient	0.7	1.0	1.1	1.3	1.4