

# Snap mount type aluminum electrolytic capacitors HU Series 550V — Useful of 4,000 hours at 105°C



## Features

- The HU series is the miniaturization products of 4,000 hours.
- Rating 550V.DC is added in the series.
- Conform RoHS

## Product Specifications

Items	Specifications
Temperature range	-25~+105°C
Rated voltage	550V.DC
Surge voltage	600V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
tanδ	Max. 0.25 (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
550	82	30 × 25	0.59	2,920	HU2L820MCZS2WPEC
		30 × 30	0.77	1,990	HU2L121MCZS3WPEC
120	120	35 × 25	0.80	1,990	HU2L121MCAS2WPEC
		30 × 35	0.91	1,600	HU2L151MCZS4WPEC
150	150	35 × 30	0.96	1,600	HU2L151MCAS3WPEC
		30 × 40	1.05	1,330	HU2L181MCZS5WPEC
180	180	35 × 35	1.11	1,330	HU2L181MCAS4WPEC
		30 × 50	1.26	1,090	HU2L221MCZS7WPEC
220	220	35 × 40	1.29	1,090	HU2L221MCAS5WPEC
		270	35 × 45	1.50	890
330	330	35 × 50	1.73	730	HU2L331MCAS7WPEC
390	390	35 × 60*	2.00	620	HU2L391MCAS9WPEC

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

### Temperature

Temperature (°C)	60	70	85	105
Correction coefficient	1.7	1.5	1.3	1.0

### Frequency

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

## Contact us

<http://www.hitachi-chem.co.jp>

Energy Storage Business Headquarters  
Capacitor Business Unit

GRANTOKYO SOUTH TOWER, 1-9-2, Marunouchi, Chiyoda-ku, TOKYO, 100-6606, JAPAN TEL. +81-3-5533-7000 FAX. +81-3-5533-7077