

125°C SNAP-IN LIQUID CAPACITORS

CAPXON

Snap-In



High Vibration

NEW

HC

Endurance (125°C)

3000 hrs

High Temp./ Voltage

NEW

UL

HH

Temperature

105°C

125°C



HC Series

125°C
3 000h

High Vibration
Automotive

25V to 63V
600µF to 3300µF



HH Series

125°C
3 000h

High Voltage
Automotive

400V to 450V
47µF to 560µF



HC Series • SN-IN
125°C • High Vibration



CAPXON ALUMINUM ELECTROLYTIC CAPACITOR • HC SERIES

HC SERIES • HIGH RELIABILITY, AUTOMOTIVE 125°C TYPE

KEY FEATURES

- DOUBLE-CRAMPING • Snap-In type
- Useful life: 125°C • 4,000 hours
- Low ESR and high ripple current
- High vibration (up to 30g) stability. Consult CapXon for test details.
- AEC-Q200 version available

SPECIFICATIONS

Items	Performance Characteristics
Operating Temperature Range	-55 ~ +125°C
Rated Voltage Range	25 ~ 63V DC
Surge Voltage	V _r ± 2.25 V _r
Capacitance Range	600 ~ 3300µF
Cap. Tolerance	±20% (±30% ~ ±7%)
Leakage Current (20°C • V _r applied)	max 0.1 [C ₀ (µF) × 10 ⁻⁹ + 10 nA] (C ₀ [µF] • V _r [V])
Dispersion Factor % (20°C • 120hrs)	max Not to exceed the values shown in standard ratings
Series Resistance (20°C • 300kHz)	ESR Not to exceed the values shown in standard ratings
Low Temperature Characteristics at 100kHz	2 ratio max. V _r (V DC)
	25 35 50 65
	2 20V/250°C 4 6 8 8
	10 10 10 10
Life/End Test	Test: 4,000 hours
Useful Life 125°C (V _r & V _{ripple})	±20% of initial measured value max. 100% of initial specified value min. 100% of initial specified value Deviation Rate at Useful Life: 100 FIT = 0.01%/1,000h with 50% confidence level* parts show higher drift as test criteria
Endurance 125°C (V _r & V _{ripple})	Test: 1,000 hours
	±20% of initial measured value max. 100% of initial specified value min. 100% of initial specified value
Shock Life 125°C (V _r = 0)	Test: 1,000 hours
	±20% of initial measured value max. 100% of initial specified value min. 100% of initial specified value
Vibration Resistance Test	Before measurement: Restore capacitor to 20°C, apply V _r for 30 min according to JEDEC J-55, 4 After: 30g sine, 10min; 30Hz; 20Hz, amplitude max. 2mm; 1/100 sec each 2h, capacitor rigidly clamped by body to surface • IEC 60068-2-6

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For further information please contact: sales@capxon.com

HH Series • SN-IN
125°C • High Voltage



CAPXON ALUMINUM ELECTROLYTIC CAPACITOR • HH SERIES

HH SERIES • HIGH VOLTAGE, AUTOMOTIVE 125°C TYPE

KEY FEATURES

- HIGH TEMPERATURE • Snap-In type
- Useful life: 125°C • 4,000 hours
- High reliability and high voltage applications
- Extremely stable dissipation factor and leakage current
- AEC-Q200 version available

SPECIFICATIONS

Items	Performance Characteristics
Operating Temperature Range	-40 ~ +125°C
Rated Voltage Range	50V ~ 450V DC
Surge Voltage	V _r ± 3.75 V _r
Capacitance Range	47 ~ 560µF
Cap. Tolerance	±20% (±30% ~ ±20%)
Leakage Current (20°C • V _r applied)	max 0.1 [C ₀ (µF) × 10 ⁻⁹ + 10 nA] (C ₀ [µF] • V _r [V])
Dispersion Factor % (20°C • 120hrs)	max Not to exceed the values shown in standard ratings
Series Resistance (20°C • 300kHz)	ESR Not to exceed the values shown in standard ratings
Low Temperature Characteristics at 100kHz	2 ratio max. V _r (V DC)
	400 450
	2 25V/250°C 3 5 5
	10 10 10
Life/End Test	Test: 4,000 hours
Useful Life 125°C (V _r & V _{ripple})	±20% of initial measured value max. 100% of initial specified value min. 100% of initial specified value Deviation Rate at Useful Life: 100 FIT = 0.01%/1,000h with 50% confidence level* parts show higher drift as test criteria
Endurance 125°C (V _r & V _{ripple})	Test: 1,000 hours
	±20% of initial measured value max. 100% of initial specified value min. 100% of initial specified value
Shock Life 125°C (V _r = 0)	Test: 1,000 hours
	±20% of initial measured value max. 100% of initial specified value min. 100% of initial specified value
Vibration Resistance Test	Before measurement: Restore capacitor to 20°C, apply V _r for 30 min according to JEDEC J-55, 4 After: 30g sine, 10min; 30Hz; 20Hz, amplitude 0.75mm; 1/100 sec each 2h, capacitor rigidly clamped by body to surface • IEC 60068-2-6

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