

CDE MYH, Y2 Series, Line-to-Ground EMI/RFI Suppression Capacitors for Harsh Environments



***2,000-hour, 85°C /85% RH @ Vr
AEC-Q200***

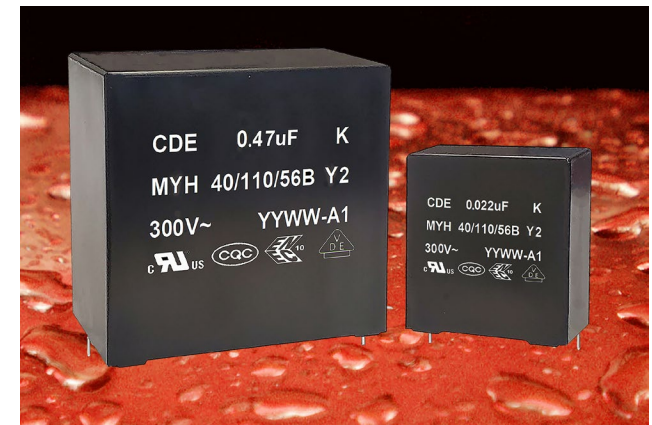


**CORNELL
DUBILIER**

CDE MYH, Y2 Series, 85/85 THB-Rated Metalized Polypropylene Film Capacitors

MYH Series provides up to two-times greater life than other 85/85 THB-rated, board-mount capacitors for interference suppression.

- 2,000-hour load life based on 85 °C at 85% relative humidity with voltage applied.
- Harsh Environment applications
- AEC-Q200
- For line-to-ground requirements



MYH, Y2 Series

Key Parameters

- Capacitance values range from 0.001 to 1 μF
- Voltage: 300 Vac @ 50/60Hz
- Meets IEC-60384
- UL Recognized
- AEC-Q200
- RoHS compliant
- Life expectancy: 100,000 hours
@ $\leq 85^\circ\text{C}$ hot spot, at rated voltage



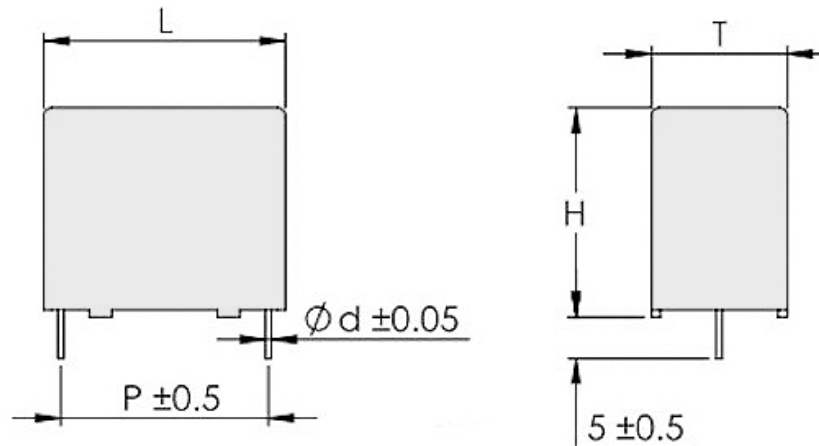
Effective EMI/RFI Filtering for Many Power Electronics Applications



- Class Y2, Line-to-ground filters for harsh environmental conditions
- Utility meters
- EV chargers, solar and other power inverters
- UPS, SMPS and portable power systems

MYH Series Construction and Lead Configurations

- Lead Spacings of 10mm to 37.5mm
- Two-pin lead configurations
- Plastic case and dry resin both meet UL94V-0
- 5mm lead length



Dimensions Shown in mm

CDE MYH Series

Specifications Brief



Capacitance Range	.001 μ F to 1 μ F
Capacitance Tolerance	$\pm 10\%$ ($\pm 20\%$ optional)
Rated Voltage	300 Vac, 1500 Vdc
Operating Temperature Range	-40 °C to +110 °C (+85 °C to 110 °C, voltage derating factor of 1.35% per Deg. C)
Life Expectancy	100,000h at rated voltage and hot spot temperature ≤ 85 °C
Dissipation Factor	0.0020 @ 1KHz @ 20 °C
IEC Climatic Category	40/110/56 IEC60068-1
Damp Heat, Steady State (Reference: IEC 60384-14; 2013/AMD1:2016)	+40°C / 93% RH @ rated voltage for 1,344 hrs +24/-0 Capacitance Change Rate: ($\Delta C/C$): $\leq \pm 5\%$ DF Change ($\Delta \text{tg}\delta$): $\leq 80 \cdot 10^{-4}$ at 10 KHz ($C \leq 1 \mu\text{F}$) DF Change ($\Delta \text{tg}\delta$): $\leq 50 \cdot 10^{-4}$ at 1 KHz ($C > 1 \mu\text{F}$) IR: $\geq 50\%$ of initial limit
THB Rating	+85°C / 85% RH @ rated voltage for 2,000hrs +24/-0 Capacitance Change Rate: ($\Delta C/C$): $\leq \pm 10\%$ DF Change ($\Delta \text{tg}\delta$): $\leq 240 \cdot 10^{-4}$ at 10 KHz ($C \leq 1 \mu\text{F}$) DF Change ($\Delta \text{tg}\delta$): $\leq 150 \cdot 10^{-4}$ at 1 KHz ($C > 1 \mu\text{F}$) IR: $\geq 50\%$ of initial limit
Agency Approvals	UL: UL 60384-14, CSA-E60384-14 VDE: IEC 60384-14:2013, IEC 60384-14:2013/AMD1:2016 CQC: IEC 60384-14:2013 + AMD1:2016

CDE MYH, Y2 Series, 85/85 THB Rated Film Capacitor Summary

- Two times greater life than other THB-rated EMI/RFI filter capacitors
- 2,000-hour load life based on 85 °C at 85% R.H @ rated voltage
- IEC-60384, AEC-Q200, RoHS
- Wide range of capacitance
- Used in line-to-ground applications for EMI/RFI suppression
- Utility meters, line filters, UPS, and other power supply applications

