

TYPE MYH, Y2, EMI, RFI Suppression Capacitors, Harsh Environment

THB 2,000 Hr @ 85 °C, 85% RH, and Vr, AEC-Q200

The MYH series of Y2, line-to-ground EMI suppression capacitors are designed for the most challenging environments. The series passes a 2,000-hour THB test, twice the 1,000-hour industry standard for THB testing. The MYH series is AEC-Q200 qualified and possesses international agency approvals for safety and performance for Y2, line-to-ground applications.

Highlights

- Excels at EMI Suppression in harsh environmental conditions
- THB 2,000 Hr @ 85 °C, 85% RH, and Vr
- Automotive Grade (AEC-Q200) qualified
- High operating temperature: up to 110 °C
- International agency approvals for safety and performance

Specifications

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 \leq 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: (Δ C/C): \leq \pm 5% DF Change (Δ tg δ): \leq 80*10 ⁻⁴ at 10 KHz (C \leq 1 μ F) DF Change (Δ tg δ): \leq 50*10 ⁻⁴ at 1 KHz (C > 1 μ F) IR: \geq 50% of initial limit
THB Rating	+85°C / 85% RH @ rated voltage for 2,000hrs +24/-0 Capacitance Change Rate: (Δ C/C): \leq \pm 10% DF Change (Δ tg δ): \leq 240*10 ⁻⁴ at 10 KHz (C \leq 1 μ F) DF Change (Δ tg δ): \leq 150*10 ⁻⁴ at 1 KHz (C > 1 μ 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



Typical Applications

Class Y2 EMI/RFI Line-to-Ground Filters for Harsh Environments, Utility Meters, UPS, EV Chargers, Inverters, SMPS, and Portable Power Systems



<https://www.cde.com/new-product/myh>



**CORNELL
DUBILIER**