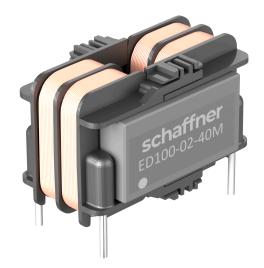


### ED101-1.25-7M0

SAP Code: 822546



- PCB Common Mode Choke
- 1.25 A PCB Common Mode Choke with 7 mH Inductance
- General

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### **Family Technical Specifications**

MTBF       > 13,000,000 hours acc. MIL-HDBK-217         Vibration and shock       3M4 acc. IEC 60721-3-3         Maximum continuous operating voltage       300 VAC, 50/60 Hz         Altitude       Derating above 2,000 m         Climatic class       40/125/56 acc. IEC 60068-1         Creepage and clearance distances       Creepage > 3 mm / Clearance > 2.5 mm between windings         Overvoltage category       II acc. IEC 60664-1         Design corresponding to       IEC 60938-1/-2         Protection category       IP 00         Pollution degree       PD2 acc. IEC 60664-1         Rated currents       1.25         Inductance reduction (DC bias with IN)       Less than 10% at rated current         Cooling       AN - natural convection         Rated inductance       3 to 40 mH common-mode         Stray inductance       0.1 - 3.1 mH         Flammability corresponding to       UL 94 V-0         Operating frequency       DC to 60 Hz         Temperature range (operation and storage)       -40°C to 125°C		
Maximum continuous operating voltage  Altitude  Climatic class  Creepage and clearance distances  Overvoltage category  Design corresponding to  Protection category  Pollution degree  Rated currents  Inductance reduction (DC bias with IN)  Cooling  Rated inductance  Stray inductance  Flammability corresponding to  Derating above 2,000 m  40/125/56 acc. IEC 60068-1  Creepage > 3 mm / Clearance > 2.5 mm between windings  Overvoltage category  Il acc. IEC 60664-1  IEC 60938-1/-2  IP 00  PD2 acc. IEC 60664-1  Less than 10% at rated current  AN - natural convection  3 to 40 mH common-mode  Stray inductance  Flammability corresponding to  Operating frequency  DC to 60 Hz	MTBF	> 13,000,000 hours acc. MIL-HDBK-217
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Protection category  Pollution degree  PD2 acc. IEC 60664-1  Rated currents  Inductance reduction (DC bias with IN)  Cooling  Rated inductance  Stray inductance  Flammability corresponding to  Operating frequency  IP 00  PD2 acc. IEC 60664-1  1.25  Less than 10% at rated current  AN - natural convection  3 to 40 mH common-mode  UL 94 V-0  DC to 60 Hz	Overvoltage category	II acc. IEC 60664-1
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Flammability corresponding to  Operating frequency  UL 94 V-0  DC to 60 Hz	Rated inductance	3 to 40 mH common-mode
Operating frequency DC to 60 Hz	Stray inductance	0.1 - 3.1 mH
operating inequation	Flammability corresponding to	UL 94 V-0
Temperature range (operation and storage) -40°C to 125°C	Operating frequency	DC to 60 Hz
	Temperature range (operation and storage)	-40℃ to 125℃

### Approvals & Compliances

# **RoHS**

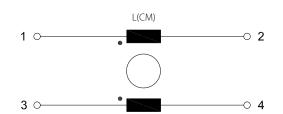
#### **Features and Benefits**

- Increases power factor
- Combination of common- and differential-mode inductances
- Rated currents up to 2 A
- Compact and light-weight
- Small PCB footprint

### **Typical Applications**

- Mains operated LED drivers
- Electronic ballasts
- Input filters for switch mode power supplies

#### Typical electrical schematic



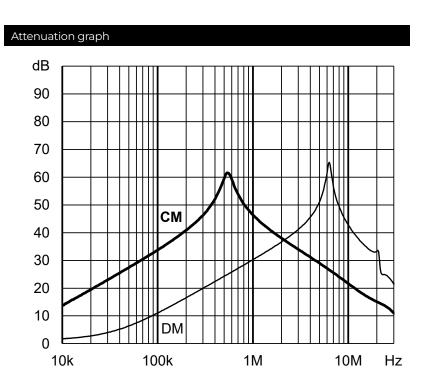
## **General Specification**

Voltage AC	300 (Volt)
Nominal Frequency	50
Rated Current @ambient	1.25
Ambient temperature [°C]	65

### **Electric Specification**

## **Attenuation Specification**

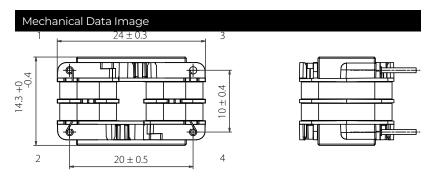


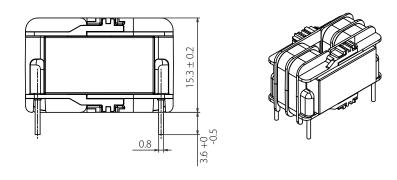


# **Mechanic Specification**

Length [mm]	24
Width [mm]	14.3
Height [mm]	15.3
NetWeight [g]	13 (Gram)
ø Pin [mm]	0.8

### **Schaffner schemes**





### **Dimensions**

H [mm]	15.3
L [mm]	24
W [mm]	14.3