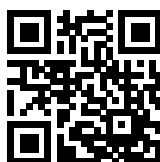


EH20-0.3-02-33M

SAP Code: 801072

- PCB Common Mode Choke
- 0.3 A PCB Common Mode Choke with 33 mH Inductance
- General
- 2 Line

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Family Technical Specifications

Maximum continuous operating voltage	250 VAC @ 50°C
Operating frequency	DC to 400 Hz
Resistance	Tolerance max. $\pm 15\%$ @ 25°C $\leq 20 \text{ m}\Omega$, 1 A $> 20 \text{ m}\Omega \leq 200 \text{ m}\Omega$, 100 mA $> 200 \text{ m}\Omega \leq 2 \text{ V}$, 10 mA
Electrical characteristics	@ 25°C $\pm 2^\circ\text{C}$
Rated currents	0.3
Rated inductance	0.5 to 90 MILLIHENRY
Overcurrent	1.5x Inominal for 1 minute, once per hour
Temperature range (operation and storage)	-25°C to +100°C (25/100/21)
Flammability corresponding to	UL 94 V-0
Measuring frequency	10 kHz 5 mA $< 16 \mu\text{H}$ 500 μA $> 16 \mu\text{H}$ $< 160 \mu\text{H}$ 50 μA $> 160 \mu\text{H}$ $> 16 \text{ mH}$ 50 mV $> 16 \text{ mH}$ $< 160 \text{ mH}$ Inductance tolerance $\pm 30\%$

Approvals & Compliances

RoHS

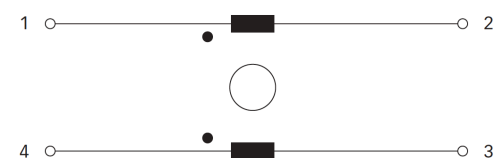
Features and Benefits

- Rated currents up to 5 A
- Compact and light weight
- Low magnetic leakage flux
- Sectional winding
- Standard foot print
- Broad range of available inductances and current ratings
- Custom-specific versions
- Schaffner also offers EMI measurement service to verify designs are compliant to safety standards

Typical Applications

- Input filters for switch mode power supplies
- Filters to reduce leaking noise
- TVs, VCRs, multimedia and audio equipment
- Office automation, communications and other electronic devices
- Electric ballast
- AC/AC converters

Typical electrical schematic



General Specification

Voltage AC	250 (Volt)
Nominal Frequency	400
Rated Current @ambient	0.3
Ambient temperature [°C]	50 (Celsius)

Electric Specification

Input terminal	02 - PCB Pin
Resistance	1780 (Milliohm)

Attenuation Specification

Inductance L1	33 (Millihenry)
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Mechanic Specification

Length [mm]	21 (Millimeter)
Width [mm]	21 (Millimeter)
Height [mm]	17.8 (Millimeter)
Volume [cm ³]	7.8498 (Cubic Centimeter)
NetWeight [g]	10 (Gram)

Schaffner schemes

Dimensions

A [mm]	21
B [mm]	21
C [mm]	17.8
D [mm]	4
E [mm]	Ø0.8
F [mm]	13
G [mm]	10