

Common Mode Line Filter

ERF-9080-Series

2025-1-8 Rev. 0



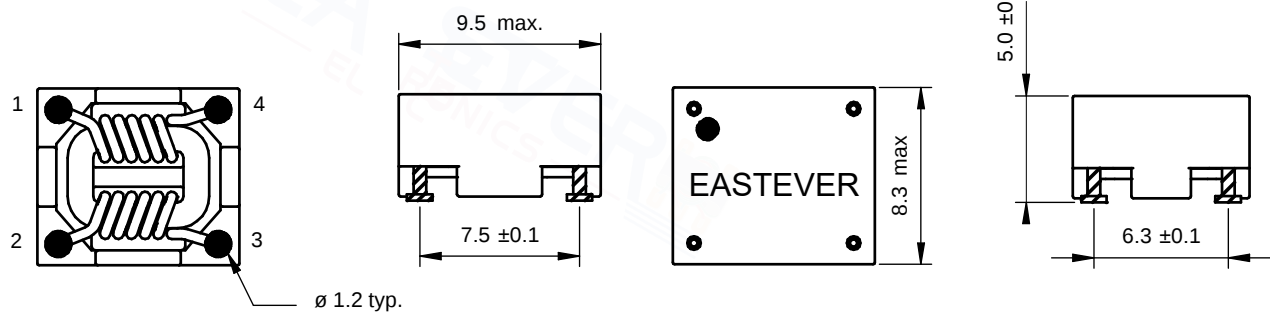
Features

- High impedance up to 13000 Ω
- High current up to 5000 mA
- Rated voltage: 80 VDC (42 VAC)
- Flammability corresponding to UL 94 V-0
- Climatic category 40/125/21

Applications

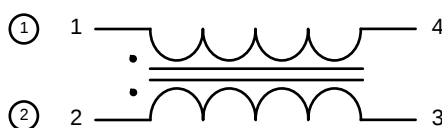
- Current compensated choke for data and signal lines
- Power supply system
- Signal and sensor lines
- Suppression of common mode noise

Outline Drawing(mm)

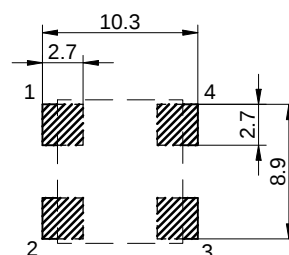


Electrical structure

Fig F



Recommended layout(mm)



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Electrical Properties

EASTEVER Part Numder.	Inductance (uH) typ	Leakage Inductance nH typ	DCR (25℃) (Ω) max	Impedance Ω±25%	Rated Current mA max	Insulation Test Voltage V (AC) max	Rated Voltage V
ERF-9080-73102	10	1300	0.03	1000	2500	500	80
ERF-9080-73222	30	3500	0.06	2200	1400	500	80
ERF-9080-73501	5	570	0.01	500	5000	500	80
ERF-9080-73801	10	970	0.01	800	3500	500	80

- ※ Test condition: 100 kHz/0.1mV,All data is tested based on 25℃ ambienttemperature.
- ※ Operating Temperature: -40℃ to +105℃ (Temperature riseincluded).
- ※ Storage condition: Temperature 5 to 40℃.