

Common Mode Line Filter

ERF-1008-Series

2025-1-7 Rev. 0



Features

- High impedance up to 13000 Ω
- High current up to 2500 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)

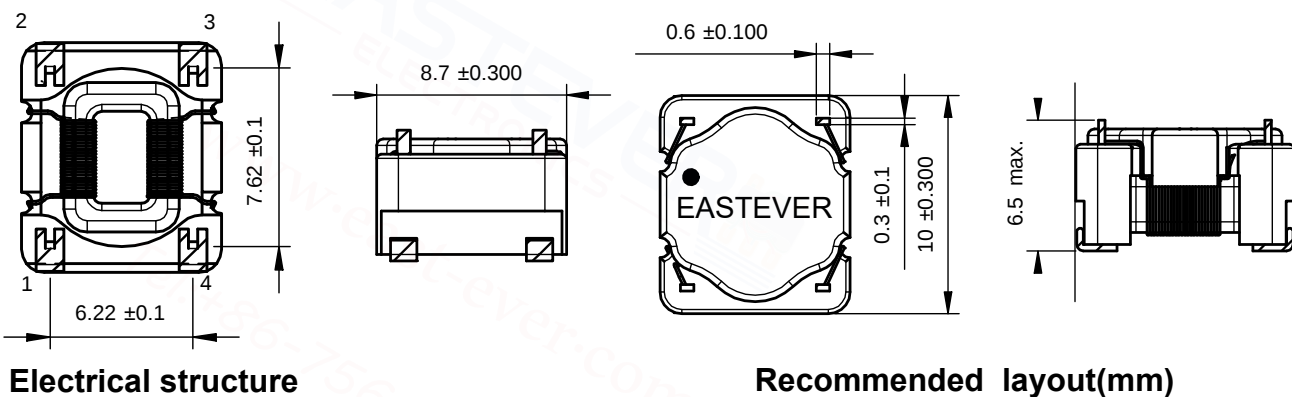
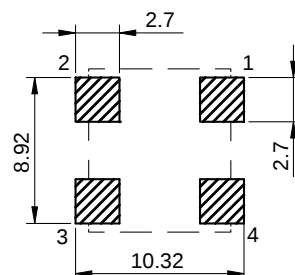
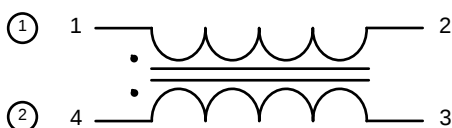


Fig F



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Electrical Properties

EASTEVE R Part Numder.	Inductance (uH)±40%	Leakage Inductance nH typ	DCR (25℃) (Ω) max	Rated Current mA max	Insulation Test Voltage V (AC) max	Rated oltage (V)	Maximum Impedance Ω Typ
ERF-1008-72102	2x1000	5900	2x0.180	950	1000	80	3600
ERF-1008-72121	2x120	860	2x0.025	2500	1000	80	460
ERF-1008-72221	2x220	1300	2x0.032	2200	1000	80	780
ERF-1008-72222	2x2200	130	2x0.300	750	1000	80	7500
ERF-1008-72251	2x250	1500	2x0.035	2000	1000	80	970
ERF-1008-72332	2x3300	130	2x0.360	650	1000	80	8900
ERF-1008-72392	2x3900	150	2x0.540	520	1000	80	9600
ERF-1008-72471	2x470	3000	2x0.065	1600	1000	80	1750
ERF-1008-724721	2x4700	350	2x0.720	270	1000	80	13000

※ 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℃.