

Common Mode Line Filter

ERF-0906-Series

2025-1-4 Rev. 0



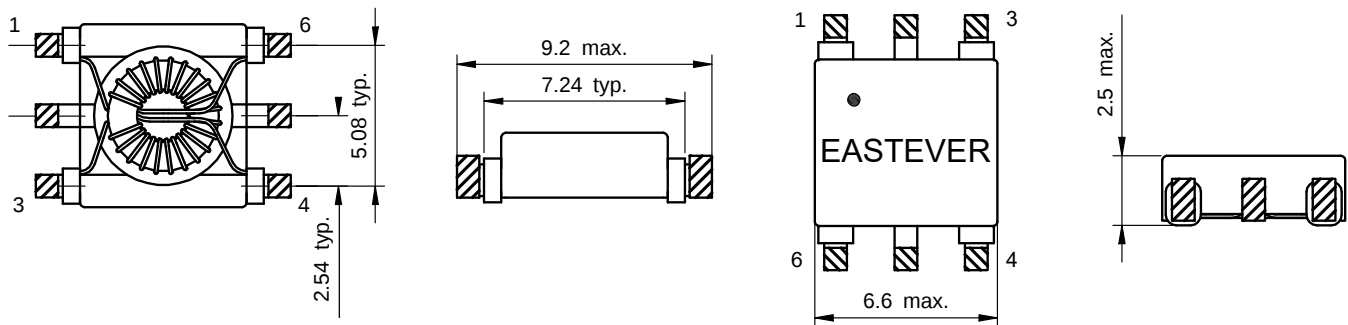
Features

- High impedance up to 5000 Ω
- High current up to 700 mA
- Rated voltage: 80 VDC (42 VAC)
- Flammability corresponding to UL 94 V-0
- Climatic category 40/125/21

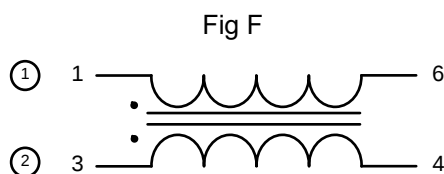
Applications

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

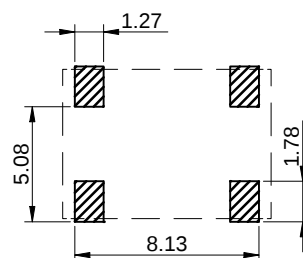
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



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Electrical Properties

EASTEVER Part Numder.	Inductance (uH) +50% -30%	Leakage Inductance nH typ	DCR (25℃) (Ω) max	Number of windings	Rated Current mA max	Insulation Test Voltage V (AC) max	Rated oltage (V)	Maximum Impedance Ω Typ
ERF-0906-52101	100	90	0.30	2	500	500	80	5000
ERF-0906-52220	22	50	0.15	2	700	500	80	1600
ERF-0906-52510	50	65	0.25	2	500	500	80	3300
ERF-0906-53101	100	95	0.45	3	450	500	80	5000
ERF-0906-53200	20	60	0.15	3	500	500	80	1250

- ※ 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℃.

