

Common Mode Line Filter

ERF-1412-Series

2025-1-7 Rev. 0



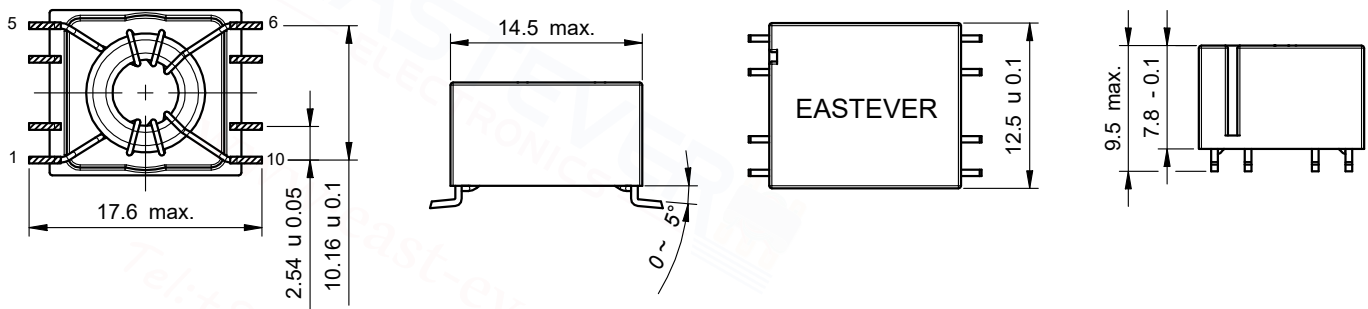
Features

- High current up to 7 A
- Rated voltage: 80 VDC (42 VAC)
- Flammability corresponding to UL 94 V-0
- Climatic category 40/125/21

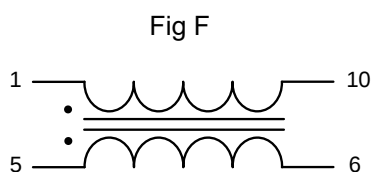
Applications

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

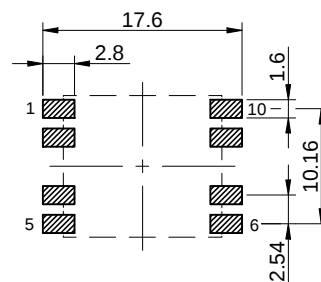
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



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Electrical Properties

EASTEVER Part Numder.	Inductance (mH)±30%	Leakage Inductance nH typ	DCR (25℃) (Ω) max	Number of windings	Rated Current A max	Insulation Test Voltage V (AC) max	Rated oltage (V)
ERF-1412-90103	10	83000	0.92	2	0.50	500	80
ERF-1412-90104	100	780000	8.50	2	0.15	500	80
ERF-1412-90121	0.12	680	0.01	2	5.50	500	80
ERF-1412-90130	0.013	130	0.01	2	10.0	500	80
ERF-1412-90152	1.5	13000	0.12	2	1.50	500	80
ERF-1412-90283	28	220000	2.80	2	0.30	500	80
ERF-1412-90321	0.32	2200	0.03	2	3.25	500	80
ERF-1412-90472	4.7	25000	0.52	2	0.75	500	80
ERF-1412-90473	47	460000	4.00	2	0.25	500	80
ERF-1412-90560	0.056	330	0.01	2	7.00	500	80
ERF-1412-90683	68	960000	5.00	2	0.20	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℃.

