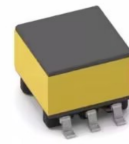


Push-Pull Transformer

EPF-1006-Series

2025-1-7 Rev. 0



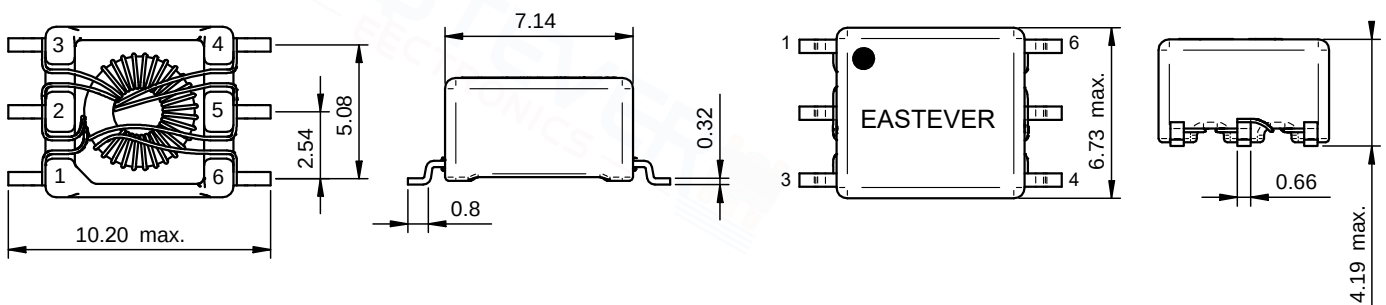
Features

- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40 up to +125 °C
- Storage Conditions (for single parts):-20 up to +60 °C
- Storage Conditions (in original packaging):< 40 °C ; < 75 % RH

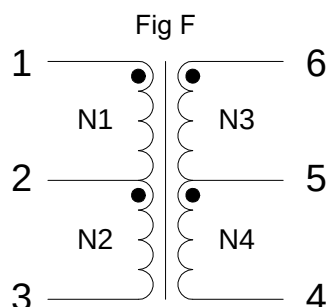
Applications

- Solar inverters
- Process control
- AC motor drives
- Medical equipment
- Industrial automation
- Polyphase energy meters
- Protection relays and IEDs
- Isolated gate driver power supplies
- PLC analog and digital I/O modules
- RS-232, SPI, I2C, lower-power LAN
- Uninterruptible power supplies (UPS)
- Isolated interface power supply for CAN, RS-485, RS-422

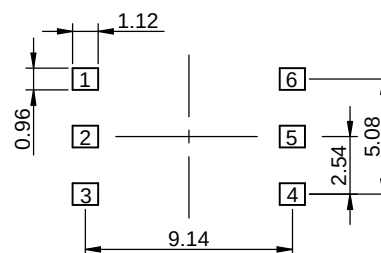
Outline Drawing(mm)



Electrical structure



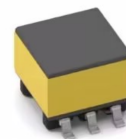
Recommended layout(mm)



Push-Pull Transformer

EPF-1006-Series

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Electrical Properties

EASTEVER Part Numder.	Inductance N1+N2 (uH) (Min)	DCR (25℃)		Turns Ratio N3 +N4 : N1+N2	Voltage-Time V(μs)	Insulation Test Voltage N1,2=>N3,4 V(AC)
		N1+N2 (Ω) (Max)	N3+N4 (Ω) (Max)			
EPF-1006-13710	480	0.35	0.40	1.2:1	11	2500
EPF-1006-15225	390	0.15	0.15	1:1.1	8.5	2750
EPF-1006-15226	390	0.15	0.20	1:1.3	8.5	2750
EPF-1006-15227	390	0.15	0.25	1:1.7	8.5	2750
EPF-1006-15228	390	0.20	0.40	1:2.0	8.5	2750
EPF-1006-16769	350	0.40	1.15	1:3.5	9.0	2500
EPF-1006-16770	350	0.30	0.80	1:2.9	9.0	2500
EPF-1006-17331	4000	1.40	0.80	1.94:1	41	2500
EPF-1006-17722	320	0.35	1.10	1:3.9	10	2500
EPF-1006-17828	4000	1.30	0.20	4.3:1	41	2500
EPF-1006-17829	1.90	0.90	0.90	1:1.1	24	2500
EPF-1006-17830	1.90	0.80	0.30	2.2:1	24	2500
EPF-1006-90012	480	0.30	0.30	1:1.1	11	2500
EPF-1006-90013	480	0.35	0.50	1:1.7	11	2500
EPF-1006-90014	480	0.30	0.40	1:1.3	11	2500

※ Test condition: 100 kHz/0.1V, All data is tested based on 25℃ ambient temperature.

※ Operating Temperature: -40℃ to +105℃ (Temperature rise included).

※ Storage condition: Temperature 5 to 40℃.

