

Push-Pull Transformer

EPF-1512-Series

2026-06-13 Rev. 1



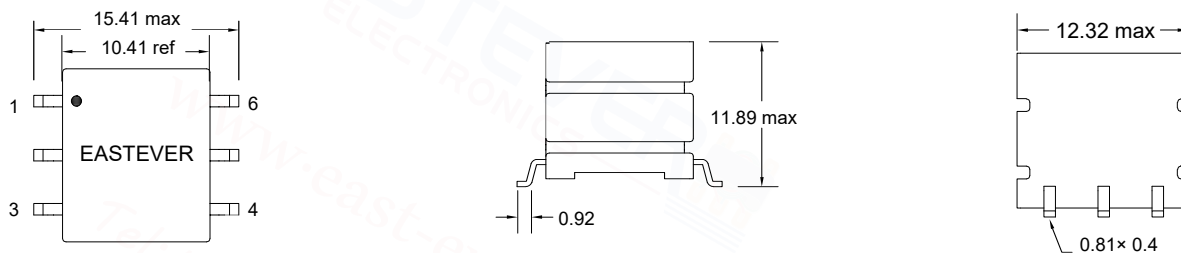
Features

- 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

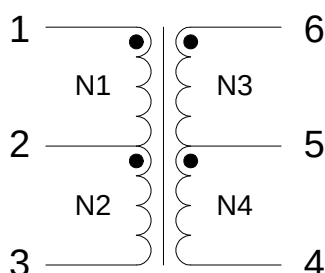
- Solar inverters
- Process control
- AC motor drives
- Medical equipment
- Industrial automation
- Polyphase energy meters
- Protection relays and IEDs
- Isolated gate driver power supplies
- PLC analog and digital I/O modules
- RS-232, SPI, I2C, lower-power LAN
- Uninterruptible power supplies (UPS)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

Outline Drawing(mm)

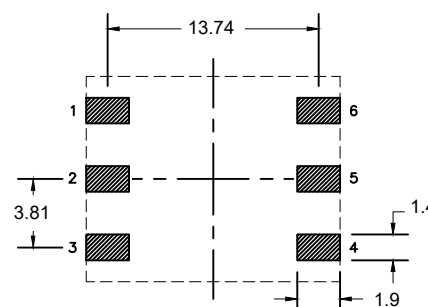


Electrical structure

Fig F



Recommended layout(mm)



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Electrical Properties

EASTEVER Part Numder.	Inductance N1+N2 (uH) (Min)	DCR (25℃)		Turns Rati N1+N2:N3+N4	Voltage-Time V(μs)	Interwinding Capacitance (pF) Typ	Insulation Test Voltage N1,2=>N3,4 V(rms)
		N1+N2 (Ω) max	N3+N4 (Ω) max				
EPF-1512-15240	440	0.15	0.15	1:1.1	46	18	5000
EPF-1512-16031	370	0.16	0.35	1:1.75	40	/	5000
EPF-1512-16032	370	0.16	0.40	1:2	40	/	5000
EPF-1512-16033	370	0.16	0.11	1.3:1	40	/	5000
EPF-1512-19927	570	0.15	0.09	2:1	50	/	5000

※ Test condition: 100 KHz/10mV, All data is tested based on 25℃ ambient temperature.

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

※ Storage condition: Temperature 5 to 40℃.

