

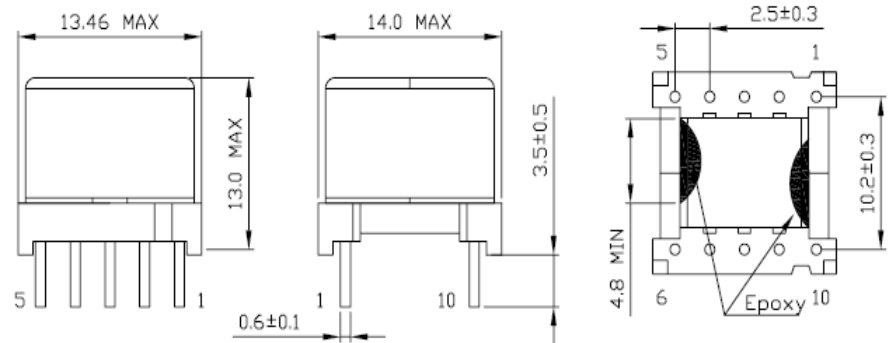
YEP13 Series

PoE Power Transformer

TRIGON
COMPONENTS



Dimensions



General characteristics

Item	Standards	Test methods
Inductance	Individual specification (tolerance $\pm 10\%$)	Use LCR meter, 3301 or equivalent
DC resistance	Less than 0.1Ω : $\pm 30\%$ 0.1Ω to 1.0Ω : $\pm 20\%$ 1.0Ω or more: $\pm 15\%$	Use ohm-meter 16502 or equivalent
Turn ratio and polarity	Specified value ± 1 to 20% , individual specification	Use transformer tester 3302 or equivalent
Withstand voltage	No abnormality between the primary and secondary windings, between the primary winding and the core, and so on.	Apply separately specified AC voltage(50Hz) for 1 min
Insulation resistance	$100M \Omega$ min	Measure by applying DC.500V. Use insulation resistance meter 19073 or equivalent.
Temperature rise	Standard design value 45°C max.(thermocouple method) 55°C max.(resistance method)	Measure the core surface by thermocouple method.

Reliability tests

Item	Standards	Test methods
Solderability Test	Solder covers more than 90%	Dip in solder with the temperature or 230°C for 4s
Humidity Life Test	Standard of inductance, insulation resistance, withstand voltage must be satisfied.	Temperature: $40 \pm 2^\circ\text{C}$ Humidity: 95% RH for 2~3 hours
High / Low Temperature Life Test		High temperature: $125 \pm 5^\circ\text{C}$ Low temperature: $-40 \pm 5^\circ\text{C}$ for 72 hrs each.
Humidity Resistance		Humidity: 90~95% RH Temperature: $40 \pm 5^\circ\text{C}$ for 72 hrs each.

- The above listed items are representative examples
The details can be found by referring to the appended individual delivery specifications

FEATURES

- High frequency power transformer
- High frequency switching transformer
- Wide variety of other sizes and values available
- Ideally used in DC-DC converters, audio/ADSL/ISDN LINE device, electrical isolation, power distribution.
- It is a product conforming to RoHS directive.
- Compatible with lead-free solders

ORDERING CODE

YEP13 V XXP XXX
(1) (2) (3) (4)

- (1) Series name
- (2) Product Lineup
H: for horizontal type
V: for vertical type
- (3) Pin terminal numbers
- (4) Inductances value