

SMD Pulse Transformer

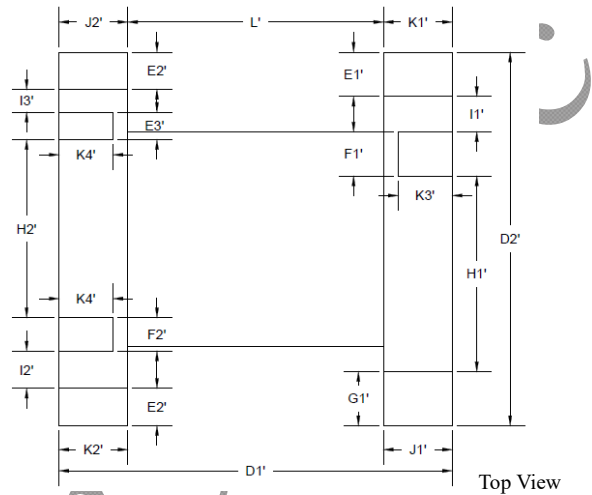
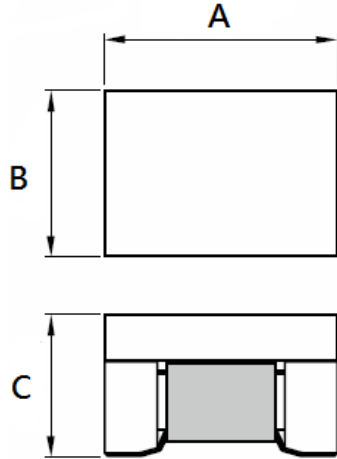
TXF403829NF-181-7P-P1

1. Features

1. SMD type pulse transformers.
2. TXF403829NF is small size and low profile 4.00X3.80X2.90 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -40~ +105°C (Including self - temperature rise)
5. For 10/100/1G Base-T , POE= 720mA



2. Dimension / Part Dimension

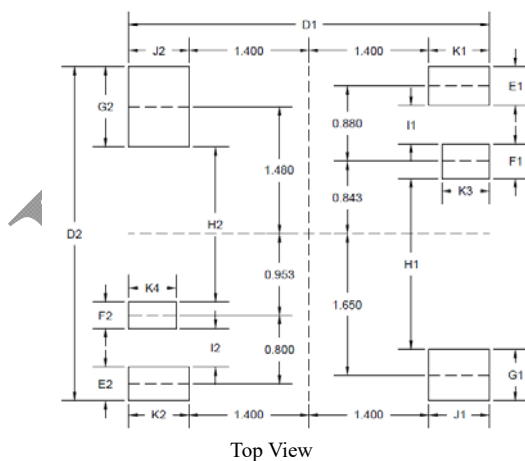


Series	A(mm)	B(mm)	C(mm)	D1'(mm)	D2'(mm)	E1'(mm)	E2'(mm)	E3'(mm)	F1'(mm)	F2'(mm)	G1'(mm)
403829NF-7P	4.00±0.20	3.80±0.20	2.9 Max	4.0±0.20	3.80±0.20	0.45±0.08	0.38±0.06	0.28±0.06	0.45±0.10	0.34±0.06	0.55±0.10

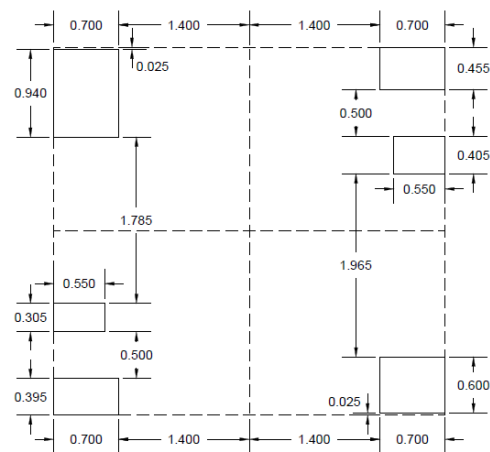
Series	H1'(mm)	H2'(mm)	I1'(mm)	I2'(mm)	I3'(mm)	J1'(mm)	J2'(mm)	K1'(mm)	K2'(mm)	K3'(mm)	K4'(mm)	L'(mm)
403829NF-7P	1.99±0.20	1.81±0.20	0.36±0.05	0.38±0.04	0.23±0.05	0.70±0.20	0.70±0.20	0.70±0.20	0.70±0.20	0.55±0.16	0.55±0.16	2.60±0.20

Units: mm

Recommended PC Board Pattern



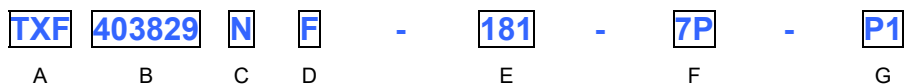
Solder paste stencil aperture recommendation



Series	D1(mm)	D2(mm)	E1(mm)	E2(mm)	F1(mm)	F2(mm)	G1(mm)	G2(mm)	H1(mm)	H2(mm)
403829NF-7P	4.200	3.900	0.455	0.395	0.405	0.305	0.600	0.940	1.990	1.810

Series	I1(mm)	I2(mm)	J1(mm)	J2(mm)	K1(mm)	K2(mm)	K3(mm)	K4(mm)
403829NF-7P	0.450	0.450	0.700	0.700	0.700	0.700	0.550	0.550

3. Part Numbering



- A: Series
- B: Dimension AxBxC
- C: Material Ferrite Core
- D: RoHs F=Lead Free
- E: Inductance 181=180 uH
- F: Control S/N
- G: Control S/N

4. Specification

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA) Measure ①-② Or Measure ⑤to⑥ (③-④short)	Test Frequency (Hz/V)	Insertion Loss (1-100MHz)	Cp Capacitance (pF) (③-④short and ⑦)	Turns ratio ①-② : ⑤-⑥ (short ③to④)	Rated Current (mA) Max.	HI-POT ①②⑦to⑤⑥ (short ③to④)
TXF403829NF-181-7P-P1	180 uH(min)	100K/0.1	-1.0dB Max	35pF(typ.)	1:1	720	AC 1.5KV 60SEC

5. Schematic Diagram

