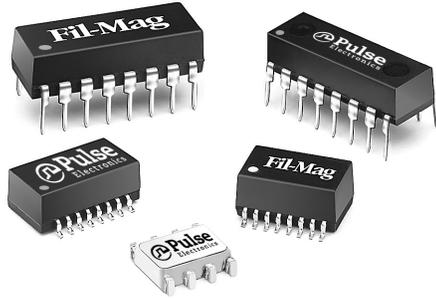
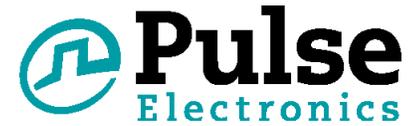


Isolation Transformers For 10BASE-T

For Adapter Cards, MAUs, Hubs, and
Motherboard Applications



- Peak solder temperature ratings per table 5-2 in IPC/JEDEC J-STD-020
- Meets IEEE 802.3 specification
- Available with common mode chokes for EMI suppression
- Through hole, auto-insertable, 16-pin DIP package

Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C

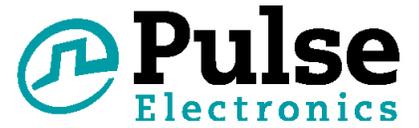
Part ² Number	Turns Ratio (±5%)		Primary Pins	Common Mode Choke	Sine Wave Inductance OCL (μ MIN)	Interwinding Capacitance C _{ww} ¹ (pF MAX)	Leakage Inductance L _l ¹ (μ MAX)	DCR (Ω MAX)	Hipot (Vrms)	Schem.	Mech
	Transmit	Receive									
Surface Mount ²										PAGES 6-7	PAGES 8-9
232467SMNL ⁶	1CT:2CT	1CT:2CT	6-8/1-3	✓	140	12	0.2	0.6	2000	T7	SMT5
E2023 ^{4, 6}	1CT:2.5CT	1CT:2CT	6-8/1-3	✓	200	15	0.5	0.4	2000	T10	SMT4
EX2024 ^{3, 6}	1CT:2.5CT	1CT:2CT	6-8/1-3	✓	350	30	0.8	0.6	2000	T10	SMT4
PE-65745	1CT:1.414CT	1CT:2CT	6-8/1-3	—	140	12	0.2	0.3	1500	T4	SMT4

Notes:

1. **OCL**, **C_{ww}** and **L_l** are measured at 20 mVrms, 100 kHz.
2. For Tape & Reel packaging, add the suffix "T" to the end of the part number when ordering, e.g. E2023T.
3. Part numbers denoted "EX" are extended temperature parts -40°C to 85°C, electrical specifications @ 25°C.
4. **MSL** = Moisture Sensitivity Level a=1 b=2 c=3 d=4
5. Not available in RoHS
6. Not for sale in U.S.

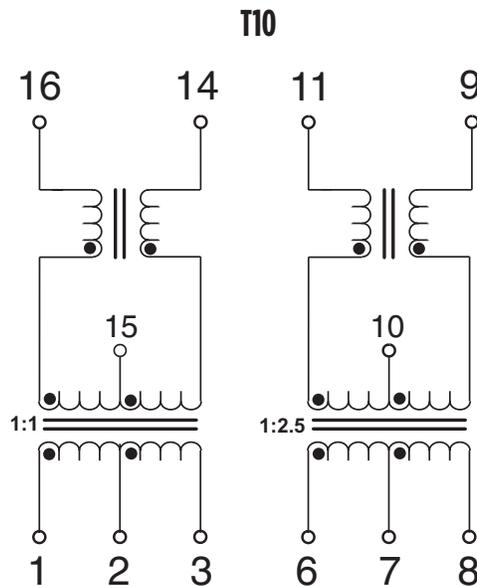
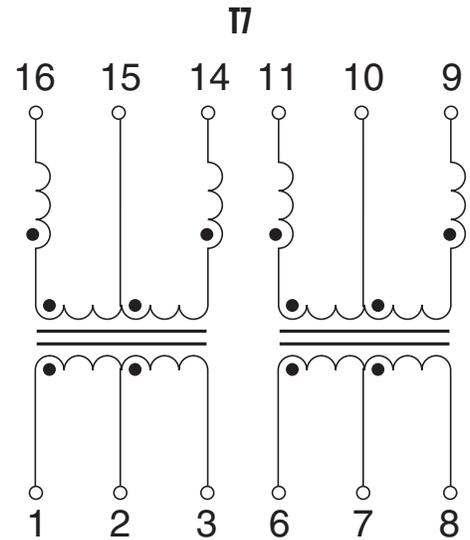
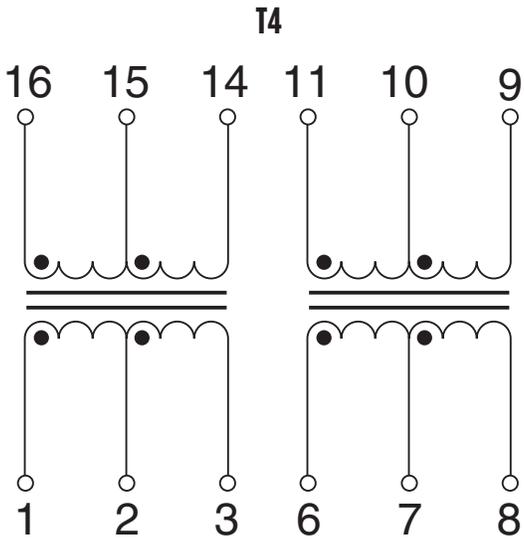
Isolation Transformers For 10BASE-T

For Adapter Cards, MAUs, Hubs, and
Motherboard Applications



Schematics

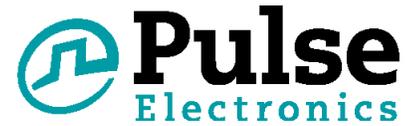
T4, T7, T10



PINS 4, 5, 12 AND 13 NOT CONNECTED.

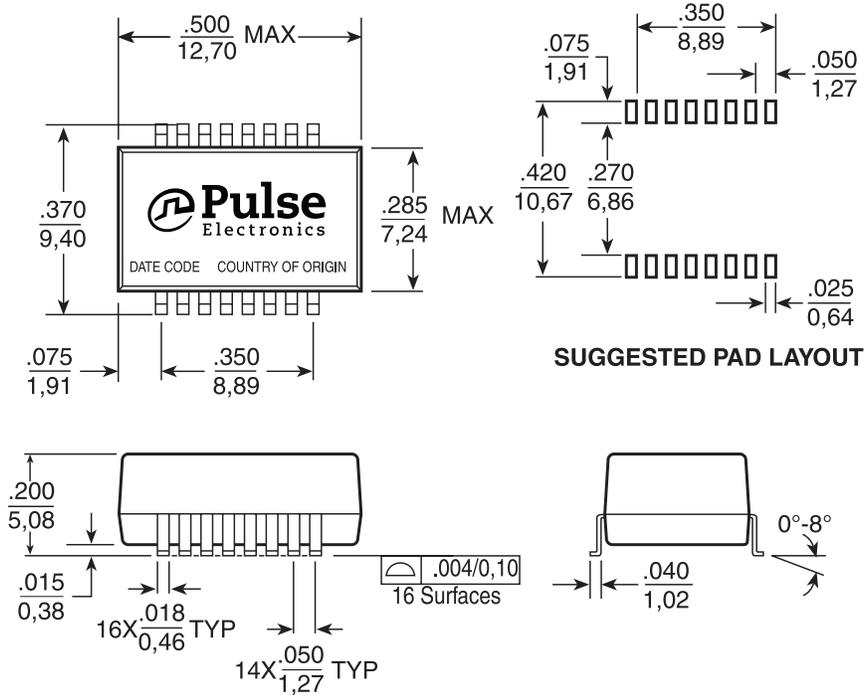
Isolation Transformers For 10BASE-T

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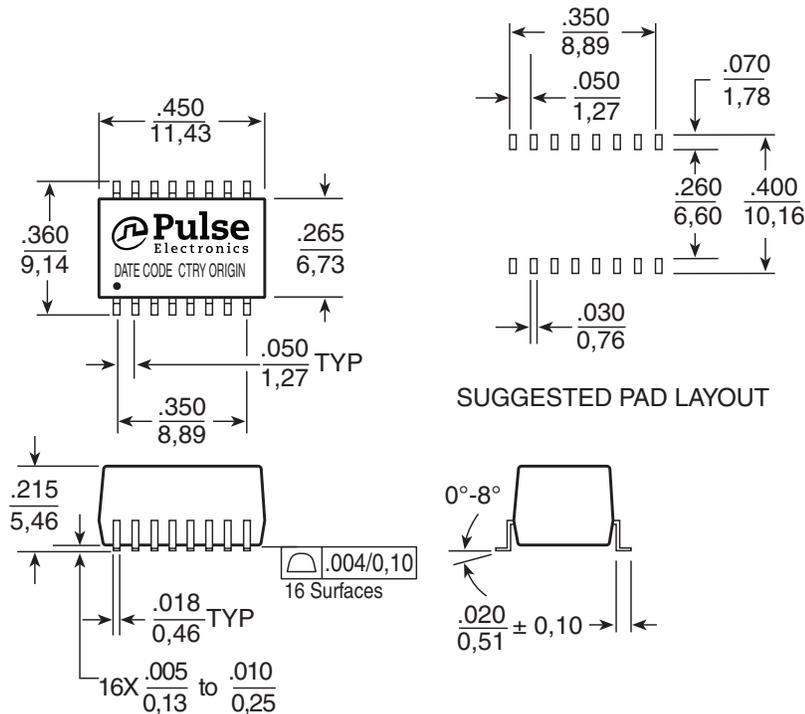
Mechanical

SMT4



Mechanical

SMT5



Isolation Transformers For 10BASE-T

*For Adapter Cards, MAUs, Hubs, and
Motherboard Applications*

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