

SMT GATE DRIVE TRANSFORMERS

T02,03,04,05 SERIES

FEATURES:

- Low profile-2.75mm
- Designed for frequency from 50KHz to 1MHz
- Suitable for pick and place applications

OPTIONS:

- Packaging:Tape & Reel is standard Bulk packaging available for smaller quantities

COMMON APPLICATIONS:

- Gate drive transformer
- AC-DC and DC/DC Converters
- Pulse/signal transformers

ELECTRICAL CHARACTERISTICS:

Part Number	Truns ratio	Pri L(0A) (uH) Min 100KHz,0.1V	Lk (uH) Max 100KHz,0.1V	Pri DCR (Ω)Max	Sec DCR (Ω)Max	E-T Prod V*usec
Operational insulation						
T02-110-012	1:1	403	0.46	0.60	0.60	12
T03-111-016	1:1:1	437	0.85	0.85	0.85	16
T05-111-060	1:1:1	1800	0.60	1.60	1.60	60
Basic insulation(1.4mm Creepage and clearance between primary and secondary)						
T04-110-028	1:1	864	0.75	0.82	0.82	28
T04-111-028	1:1:1	840	0.75	1.05	1.05	28
T05-110-055	1:1	1490	0.80	1.15	1.15	55.5
T05-211-055	2:1:1	1425	0.80	1.15	0.575	55.5
T05-311-055	2.5:1:1	1486	0.80	1.15	0.425	55.5

NOTES:

Dielectric Strength: 1500Vrms Pri to Sec

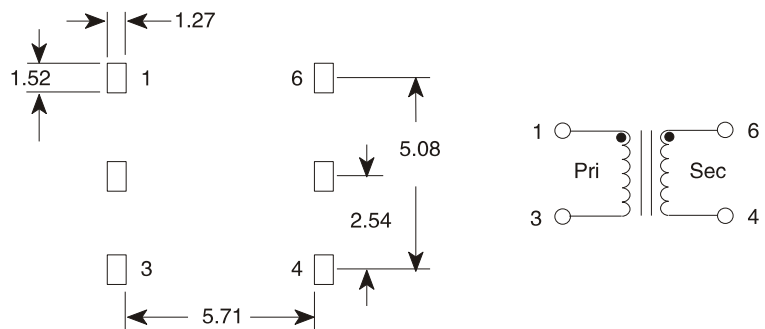
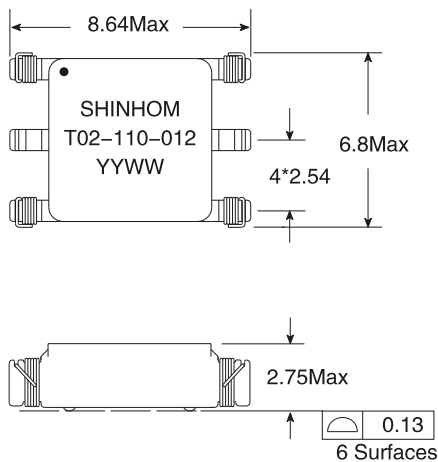
Operating temperature:-40°C to +130°C(include temperature rise)

E-T Product rating is for secondary (gate) windings and is based upon a flux density of 2200 Gauss at 25°C in a bipolar drive application.

Leakage inductance is measured at primary terminals with all secondaries shorted.

PHYSICAL CHARACTERISTICS

T02 Series



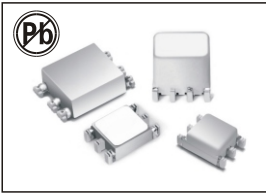
Suggested pad layout

Weight0.28 grams

Tape & Reel1500/reel

Tube.....60/tube

Unless otherwise specified, all tolerances are ± 0.25



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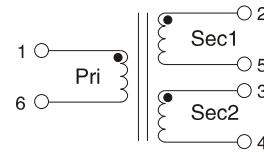
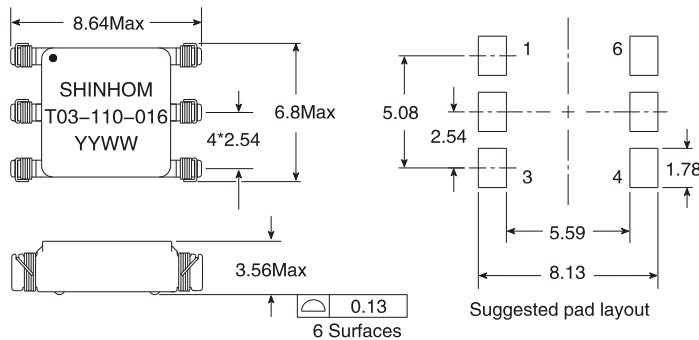
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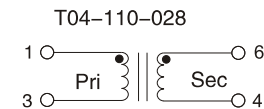
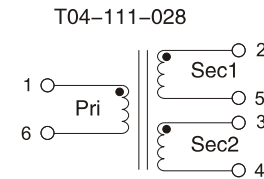
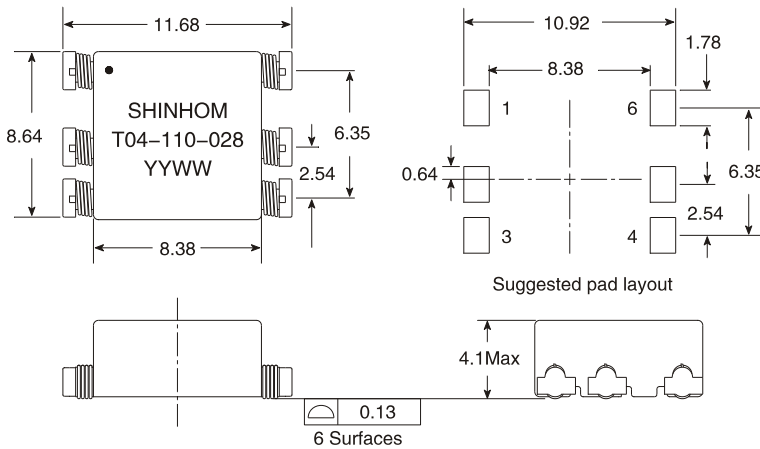
PHYSICAL CHARACTERISTICS

T03 Series



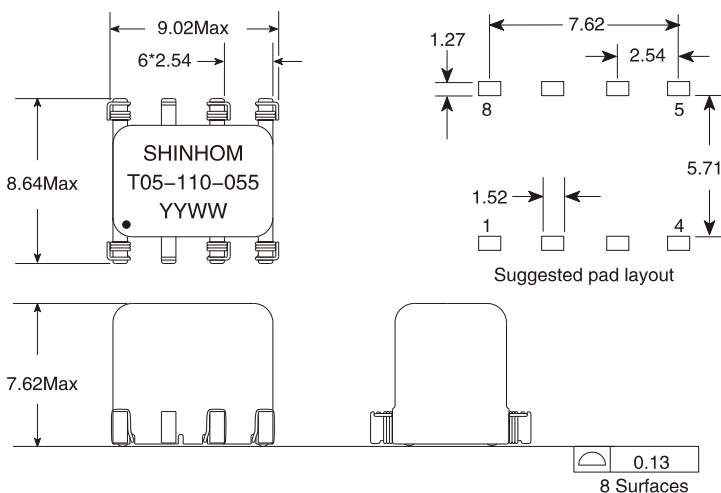
Weight0.23 grams
 Tape & Reel800/reel
 Tube.....75/tube
 Unless otherwise specified, all tolerances are ± 0.25

T04 Series

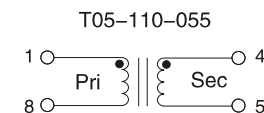
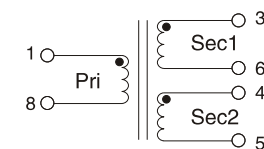


Weight0.48 grams
 Tape & Reel900/reel
 Tube.....60/tube
 Unless otherwise specified, all tolerances are ± 0.25

T05 Series



T05-111-060 T05-211-055 T05-311-055



Weight0.60 grams
 Tape & Reel400/reel
 Tube.....50/tube
 Unless otherwise specified, all tolerances are ± 0.25