

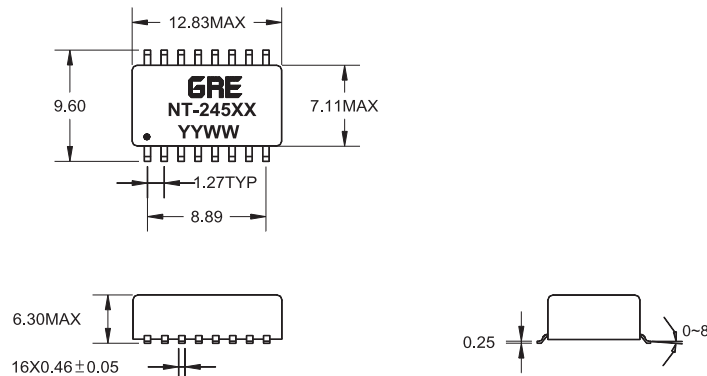
## ISOLATION TRANSFORMER FOR ETHERNET • SURFACE MOUNT



### Features:

- Low coupling capacitance and leakage inductance
- Small package for SMT or through hole

### Mechanical



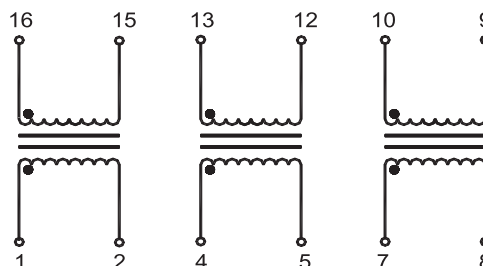
Unit: mm  
Unless otherwise specified, all tolerances are  $\pm 0.25$

### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio ( $\pm 5\%$ )	Primary ET-constant (V-us MIN)	OCL (uH) $\pm 20\%$	C <sub>ww</sub> (pF MAX)	LL (uH MIN)	DCR ( $\Omega$ MAX)	Hi-pot (Vrms)
NT-24501	1-2/4-5/7-8	1:1	2.1	40min	8	0.2	0.25	2000
NT-24502	1-2/4-5/7-8	1:1	1.8	75	8	0.2	0.30	2000
NT-24503	1-2/4-5/7-8	1:1	1.8	100	9	0.2	0.30	2000
NT-24504	1-2/4-5/7-8	1:1	1.2	150	12	0.2	0.30	2000
NT-24505	1-2/4-5/7-8	1:1	2.6	350	16	0.3	0.35	2000

### Schematics



## ISOLATION TRANSFORMER FOR ETHERNET

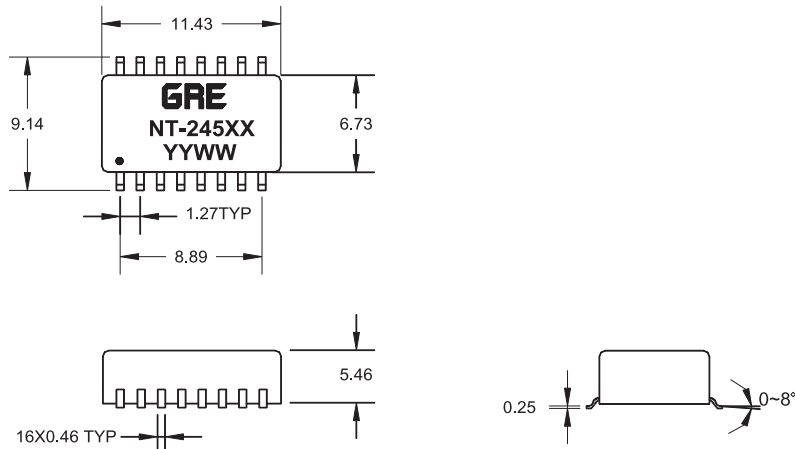
### • SURFACE MOUNT



#### Features:

- Low coupling capacitance and leakage inductance
- Small package for SMT or through hole

#### Mechanical



Unit: mm

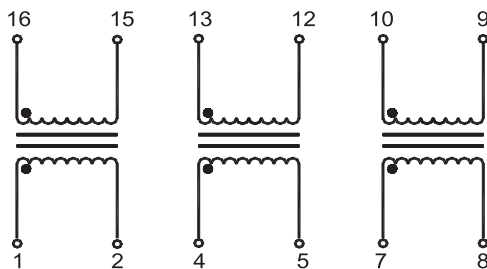
Unless otherwise specified, all tolerances are  $\pm 0.25$

#### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio ( $\pm 5\%$ )	Primary ET - constant (V-us MIN)	OCL ( $\mu\text{H}$ ) $\pm 20\%$	C <sub>ww</sub> (pF MAX)	LL ( $\mu\text{H}$ MIN)	DCR ( $\Omega$ MAX)	Hi-pot (Vrms)
NT-24507	1-2/4-5/7-8	1:1	2.4	75	10	0.2	0.20	2000
NT-24508	1-2/4-5/7-8	1:1	2.4	100	10	0.2	0.30	2000
NT-24509	1-2/4-5/7-8	1:1	2.5	350	16	0.3	0.35	2000

#### Schematics



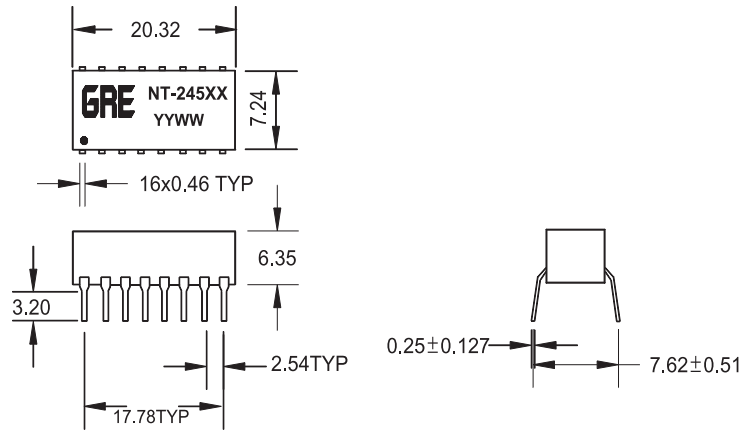
**ISOLATION TRANSFORMER FOR ETHERNET**  
**• THROUGH HOLE**



**Features:**

- Low coupling capacitance and leakage inductance
- Small package for SMT or through hole

**Mechanical**



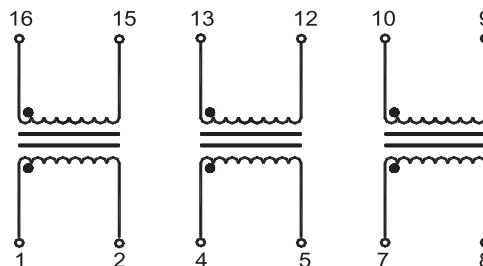
Unit: mm  
 Unless otherwise specified, all tolerances are  $\pm 0.25$

**Electrical Specifications@25°C**

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio ( $\pm 5\%$ )	Primary ET-constant (V-us MIN)	OCL (uH) $\pm 20\%$	C <sub>ww</sub> (pF) MAX	LL (uH) MIN	DCR ( $\Omega$ ) MAX	Hi-pot (V <sub>rms</sub> )
NT-24510	1-2/4-5/7-8	1:1	2.1	75	10	0.2	0.20	1000
NT-24511	1-2/4-5/7-8	1:1	2.1	75	10	0.2	0.20	2000
NT-24512	1-2/4-5/7-8	1:1	2.1	100	10	0.2	0.30	1000
NT-24513	1-2/4-5/7-8	1:1	2.1	100	10	0.2	0.30	2000
NT-24514	1-2/4-5/7-8	1:1	2.1	150	12	0.2	0.30	1000

**Schematics**

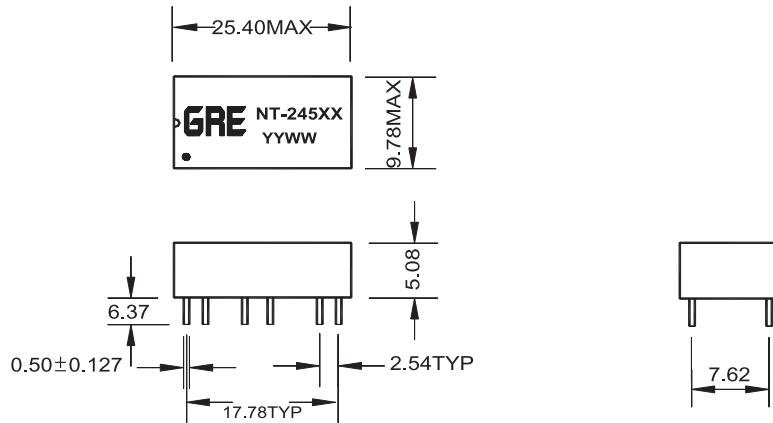




#### Features:

- Low coupling capacitance and leakage inductance
- Small package for SMT or through hole

#### Mechanical



Unit: mm

Unless otherwise specified, all tolerances are ±0.25

#### Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Primary pins	Turn Ratio (±5%)	Primary ET - constant (V-us MIN)	OCL (uH) ±20%	C <sub>ww</sub> (pF MAX)	LL (uH MIN)	DCR (Ω MAX)	Hi-pot (Vrms)
NT-24515	1-2/4-5/7-8	1:1	2.4	75	10	0.25	0.30	2000
NT-24516	1-2/4-5/7-8	1:1	2.1	100	10	0.25	0.40	2000
NT-24517	1-2/4-5/7-8	1:1	3.0	150	15	0.20	0.45	2000

#### Schematics

