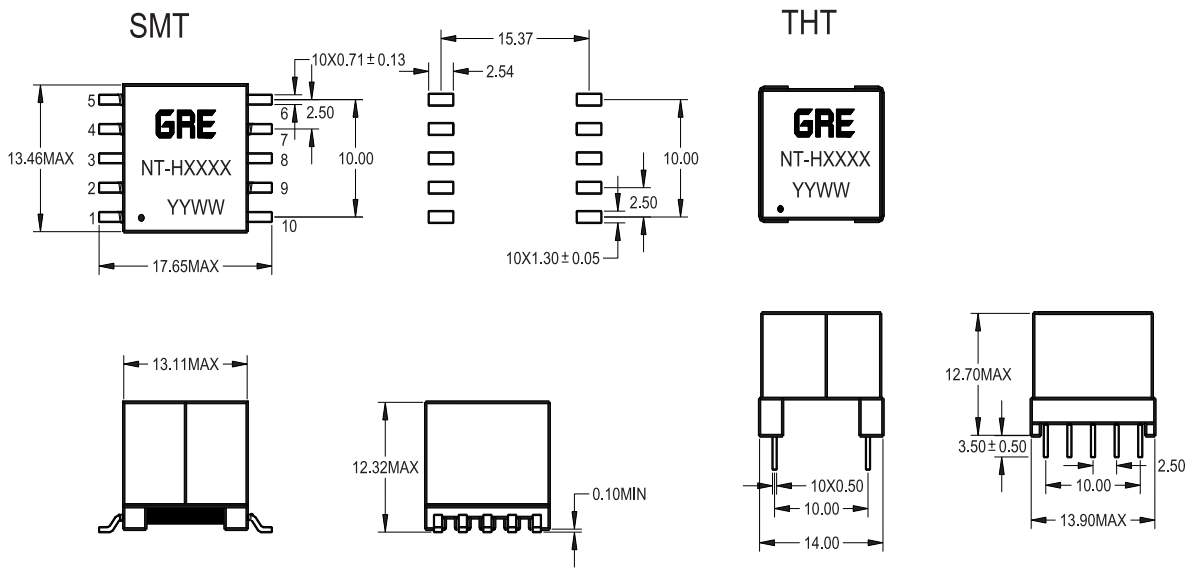


Feature:

- Excellent THD performance in a small footprint

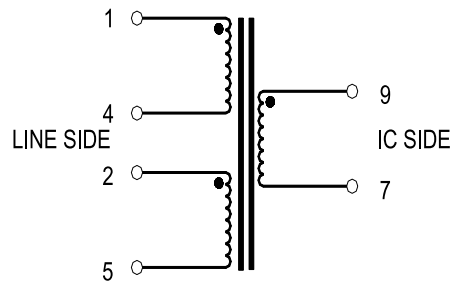
Mechanical



Unit: mm

Unless otherwise specified, all tolerances are ± 0.25

Schematics



HDSL LINE TRANSFORMER

Electrical Specifications@25°C

Operating Temperature 0°C~70°C

Part Number	Turn Ratio (Line : IC)	OCL (1-5 with 2-4 shorted) (mH) @10KHz, 0.1V	Leakage Inductance		DCR			Return Loss dB
			(1-5) with 2-4,9-7 shorted @100KHz, 0.1V		1-4 Ω	2-5 Ω	9-7 Ω	
NT-H0000	2:1 ±1%	5.8 ±6% @ 70mA	/		1.60MAX	1.60MAX	1.80MAX	-16MIN @ 13~100KHz
NT-H0001	2:1 ±1%	5.8 ±6% @ 70mA	/		1.80MAX	1.80MAX	2.00MAX	-16MIN @ 13~100KHz
NT-H0002	2:1 ±1%	2.0 ±6%	11 uH MAX		1.25MAX	1.25MAX	1.00MAX	/
NT-H0003	2:1 ±1%	2.0 ±6% @ 160mA	11 uH MAX		1.25MAX	1.25MAX	1.00MAX	-16.5MIN @ 40~300KHz
NT-H0004	2:1 ±1%	3.0 ±6% @ 100mA	11 uH MAX		1.25MAX	1.25MAX	1.00MAX	-20MIN @ 40~200KHz
NT-H0005	2:1 ±1%	3.0 ±6%	11 uH MAX		1.25MAX	1.25MAX	1.00MAX	-20MIN @ 40~200KHz
NT-H0006	2:1 ±1%	3.0 ±6% @ 160mA	/		1.00MAX	1.00MAX	1.10MAX	-16MIN @ 26~40KHz -20 MIN @40~200KHz
NT-H0007	4:1 ±1%	2.0 ±6%	11 uH MAX		1.25MAX	1.25MAX	1.00MAX	/
NT-H0008	2:1 ±1%	2.0 ±6% @ 160mA	/		0.90MAX	0.90MAX	1.00MAX	-17MIN @ 40~300KHz
NT-H0009	2:1 ±1%	4.4 ±6% @ 70mA	/		1.60MAX	1.60MAX	1.80MAX	-16MIN @ 18~132KHz
NT-H0010	2:1 ±1%	8.0 ±10% @ 70mA	/		2.60MAX	2.60MAX	3.00MAX	-16.5MIN @ 10~40KHz
NT-H0011	2:1 ±1%	5.0 ±10% @ 70mA	/		1.50MAX	1.50MAX	1.80MAX	-16.5MIN @ 20~80KHz
NT-H0012	2:1 ±1%	4.5 ±10% @ 70mA	/		1.50MAX	1.50MAX	1.70MAX	-16.5MIN @ 20~110KHz

Part Number	Longitudinal Balance	THD Line : IC	Insertion Loss	Frequency Response	Isolation Voltage	
					Pri to Sec (Vrms)	Mounting
NT-H0000	-53dB MIN @10~100KHz	-70dB min @13KHz,14dBm	-0.5 dB MAX@13KHz	±0.1dB MAX@13~100KHz	1500	THT
NT-H0001	-53dB MIN @10~100KHz	-70dB min @13KHz,14dBm	-0.5 dB MAX@13KHz	±0.1dB MAX@13~100KHz	1500	SMT
NT-H0002	-50dB MIN @40~300KHz	-90dB min @20KHz,2.5Vrms	-0.5 dB MAX@100KHz	±0.5dB MAX@40~300KHz	2500	SMT
NT-H0003	-50dB MIN @40~300KHz	-87dB min @20KHz,4.5Vp-p	-0.5 dB MAX@40KHz	±0.1dB MAX@33~110KHz	2050	THT
NT-H0004	-53dB MIN @40~200KHz	-70dB min @40KHz,14dBm	-0.4 dB MAX@200KHz	±0.1dB MAX@40~200KHz	2050	THT
NT-H0005	-50dB MIN @40~200KHz	-90dB min @20KHz,2.5Vrms	-0.4 dB MAX@200KHz	±0.1dB MAX@40~200KHz	2500	SMT
NT-H0006	-53dB MIN @10~100KHz	-70dB min @26KHz,14dBm	-0.4 dB MAX@26KHz	±0.1dB MAX@26~200KHz	1500	THT
NT-H0007	-50dB MIN @40~300KHz	-80dB min @40KHz,12Vp-p	-0.75 dB MAX@100KHz	±0.25dB MAX@40~300KHz	2050	SMT
NT-H0008	-50dB MIN @10~300KHz	-70dB min @40KHz,14dBm	-0.4 dB MAX@40KHz	±0.1dB MAX@40~300KHz	1500	THT
NT-H0009	-53dB MIN @10~132KHz	-70dB min @18KHz,14dBm	-0.5 dB MAX@18KHz	±0.1dB MAX@18~132KHz	1500	THT
NT-H0010	-53dB MIN @10~100KHz	-70dB min @40KHz,14dBm	-0.6 dB MAX@10KHz	±0.1dB MAX@10~40KHz	1500	THT
NT-H0011	-53dB MIN @10~300KHz	-70dB min @40KHz,14dBm	-0.4 dB MAX@40KHz	±0.1dB MAX@40~300KHz	1500	THT
NT-H0012	-53dB MIN @10~110KHz	-70dB min @40KHz,14dBm	-0.4 dB MAX@40KHz	±0.1dB MAX@20~110KHz	1500	THT