

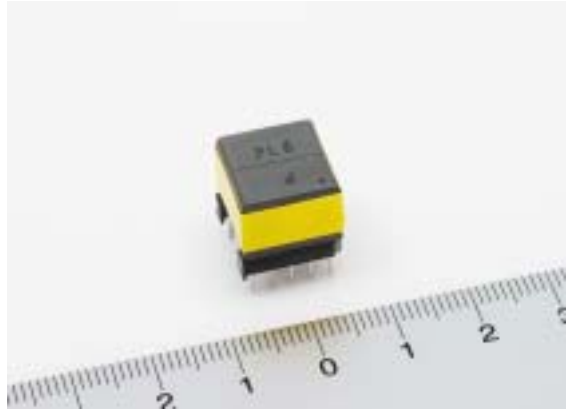
Transformers for Power Line Communication Modems

Features

- Line side drive electric maximum current more than 1.4[A]
- Transmission band 150kHz~450kHz
- THD Less than -80 [dB]
(f=50kHz, 1[V] output with 10Ω load)

Applications

- Power Line Communication modems

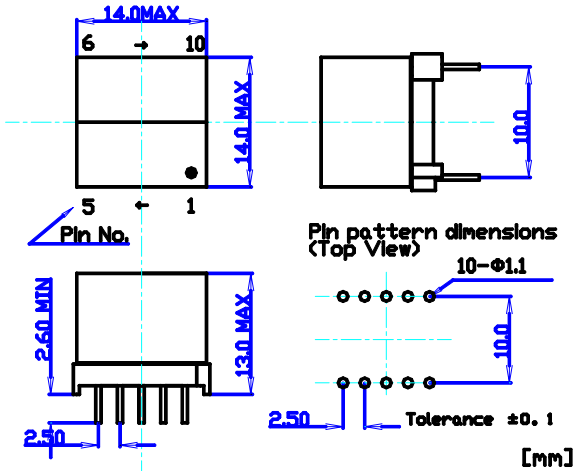


Electric Characteristics

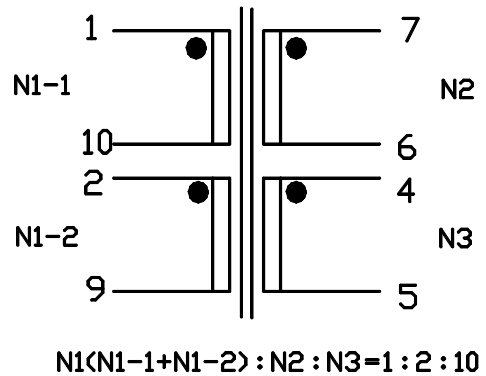
Model	Inductance (μH)	Leakage Inductance (μH)MAX	Interwinding Capacitance (pF)MAX	Line side DC Resistance (mΩ)MAX	Withstanding Voltage(Coil to Coil) AC(V) 2~3sec
PLDM-06	39.2±15%	0.6	80	108	1500

[Measurement condition] Inductance : f=10kHz, 0.1V, Pin 1-9 (tie 2-10) : Interwinding Capacitance : f=10kHz, 0.1V, Pin1-7 (tie 2-10, 4-6) : Leakage Inductance : f=100kHz, 0.1V, Pin1-9 (tie 2-10, 7-6, 4-5)

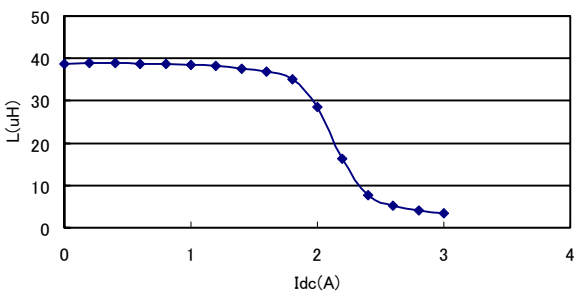
Shape and Dimensions



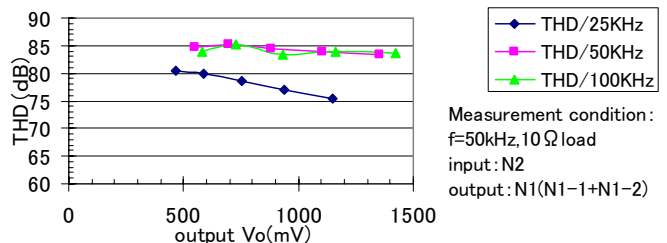
Typical Circuit Diagram



DC Superimposed Characteristics



THD Characteristics



Measurement condition:
f=50kHz, 10Ω load
input: N2
output: N1(N1-1+N1-2)