

10GBASE-T ETHERNET MAGNETICS
WITH PoE++ CAPABILITY
SINGLE PORT TRANSFORMER MODULE



HR622499E

Electrical Specification @25°C

RoHS Compliant (PB Free)

Operating Temperature Range: -40°C ~ +105°C

Isolation: 1500Vrms 0.5mA 60sec (Primary to Secondary)

OCL: 120uH Minimum @100KHz 100mV with 32mADC

Insertion Loss: -3.0dB Maximum 100KHz ~ 1MHz

-1.25dB Maximum 1MHz ~ 250MHz

-3.0dB Maximum 250MHz ~ 500MHz

Return Loss : -20dB Minimum 1MHz ~ 40MHz

(load D+ to D-) -16dB Minimum 40MHz ~ 100MHz

-12dB Minimum 100MHz ~ 250MHz

-7dB Minimum 250MHz ~ 500MHz

CMRR: -35dB Minimum 1MHz ~ 100MHz

-30dB Minimum 100MHz ~ 250MHz

-25dB Minimum 250MHz ~ 500MHz

DCMR: -35dB Minimum 1MHz ~ 100MHz

-30dB Minimum 100MHz ~ 250MHz

-22dB Minimum 250MHz ~ 500MHz

CROSSTALK: -40dB Minimum 1MHz ~ 100MHz

-30dB Minimum 100MHz ~ 500MHz

Designed To Support 57VDC, 50W When Using Any Two Channels

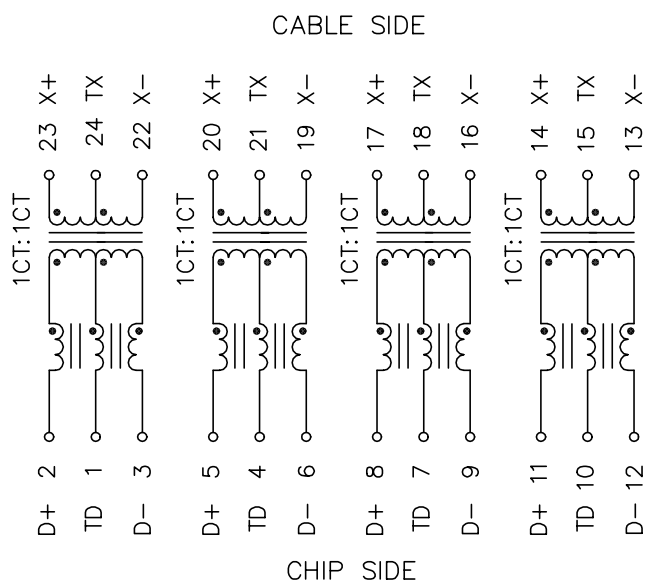
Designed To Support 57VDC, 100W Applications When Using All 4 Channels

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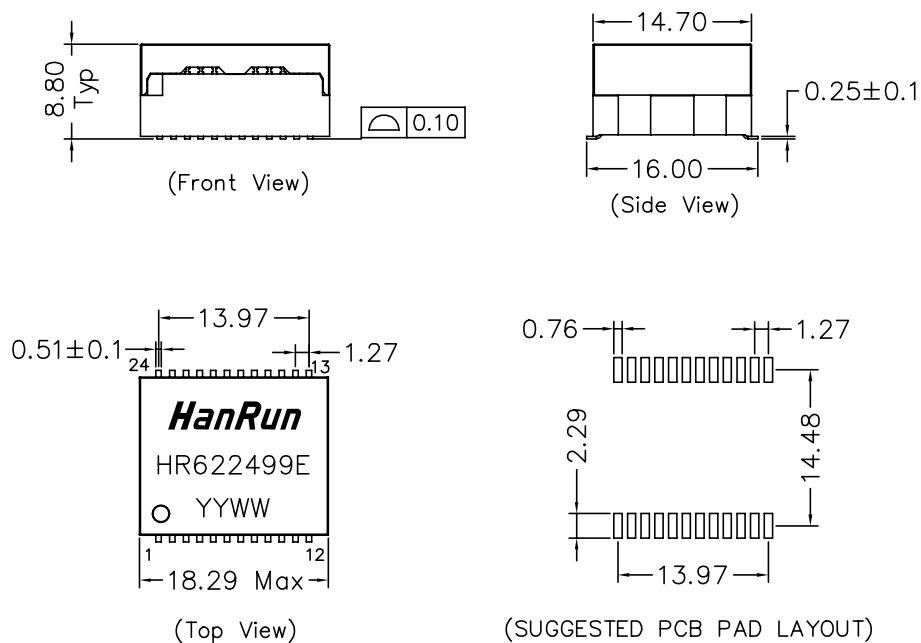


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Schematics



Mechanical Dimensions



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: 00

2 of 2

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