

1000Base-T Dual Port
Magnetic Module
with PoE capability

HR605003E

Electrical Specification @25°C

RoHS Compliant (PB Free)

Operating Temperature Range: -40°C ~ +85°C

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

OCL: 350uH Minimum @100KHz 100mV with 8mADC

Insertion Loss: -1.1dB Maximum @0.1MHz / -1.0dB Maximum @100MHz
-2.0dB Maximum @125MHz

Return Loss: -18dB Minimum @30MHz / -12dB Minimum @60MHz
-11.5dB Minimum @80MHz / -10dB Minimum @100MHz

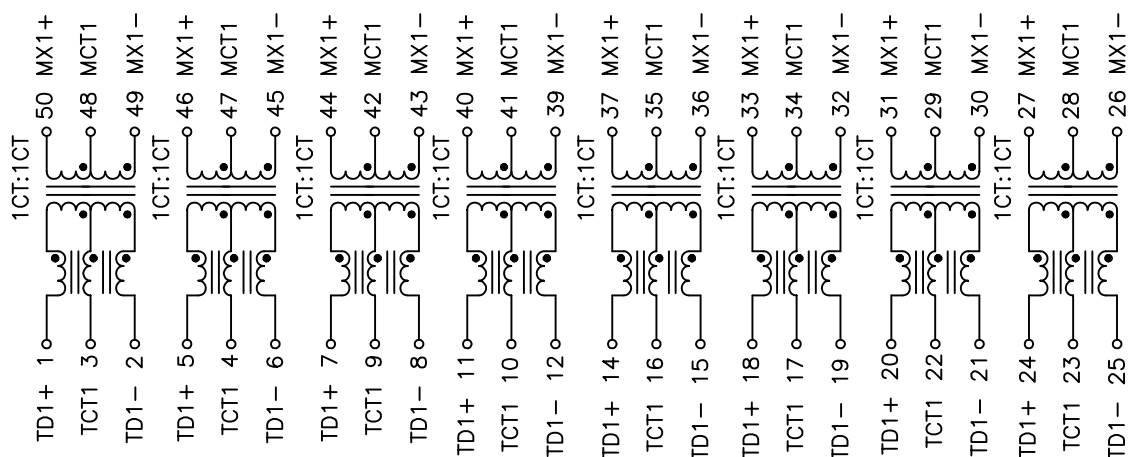
Crosstalk: -40dB Minimum @30MHz / -33.5dB Minimum @60MHz / -30dB Minimum @100MHz

CMR: -30 Minimum @1MHz ~ 100MHz

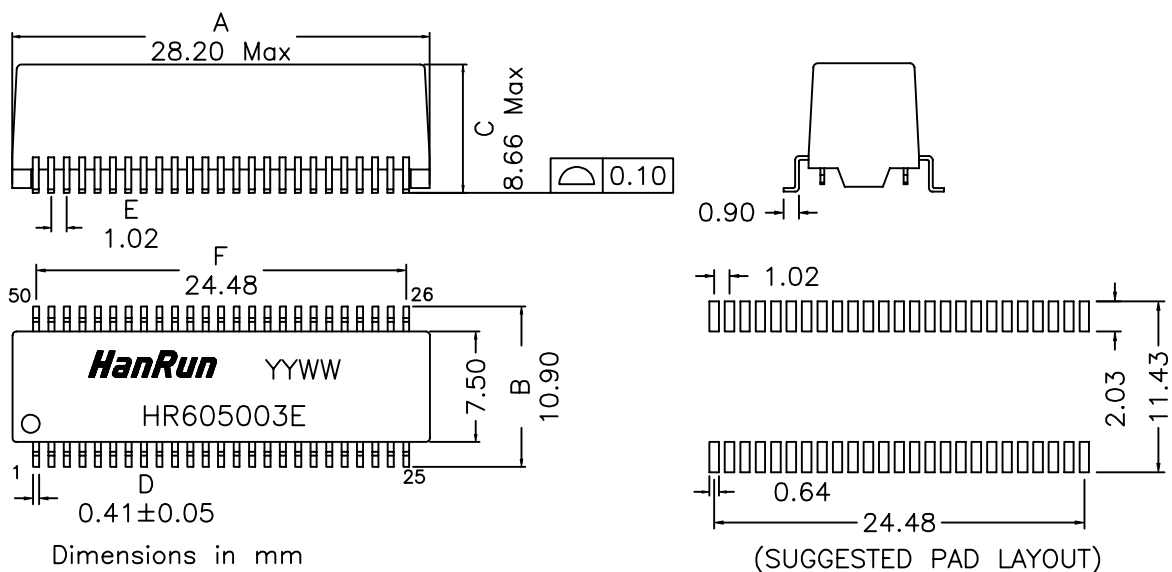
Designed To Support 57VDC, 350mA per centre tap

(15W when using 2 centre taps; 30W when using 4 centre taps)

Schematics



Mechanical Dimensions



Dimensions in mm

(SUGGESTED PAD LAYOUT)

REV.: 04 Unless otherwise specified, Tolerance: .xx ±0.25

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