

## HR682497E

### Electrical Specification @25°C

RoHS Compliant (PB Free)

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

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

OCL: 180uH Minimum @100kHz 100mV 8mADC

Insertion Loss: -1.0dB Maximum 1MHz ~ 125MHz / -1.25dB Maximum 125MHz ~ 250MHz

Return Loss : -18dB Minimum 1MHz ~ 40MHz / -14dB Minimum 40MHz ~ 100MHz

-12dB Minimum 100MHz ~ 125MHz / -10dB Minimum 125MHz ~ 200MHz

-9dB Minimum 200MHz ~ 250MHz

Differential to Common Mode Rejection : -30dB Minimum 1MHz ~ 100MHz

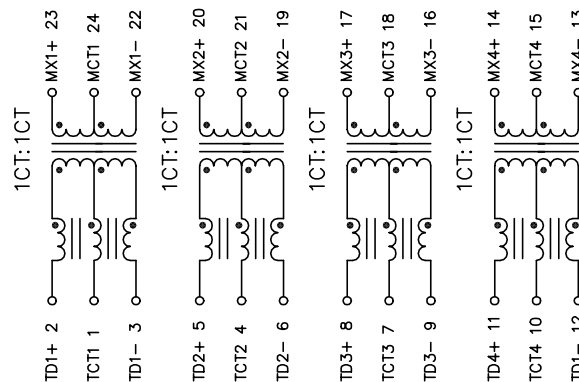
-28dB Minimum 100MHz ~ 200MHz / -26dB Minimum 200MHz ~ 250MHz

Crosstalk: -36dB Minimum 1MHz ~ 60MHz / -34dB Minimum 60MHz ~ 100MHz

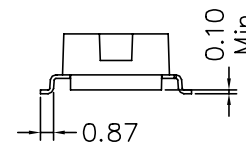
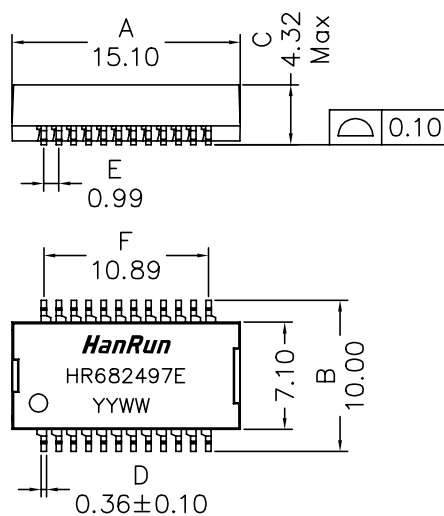
-32dB Minimum 100MHz ~ 125MHz / -30dB Minimum 125MHz ~ 250MHz

Designed To Support 57VDC, 350mA per centre tap (17.5W when using 2 centre taps)

### Schematics



### Mechanical Dimensions



SUGGESTED PCB PAD LAYOUT

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: 00

1 of 1