

LAN

# 10/100 Base-T Single Port Transformer Module

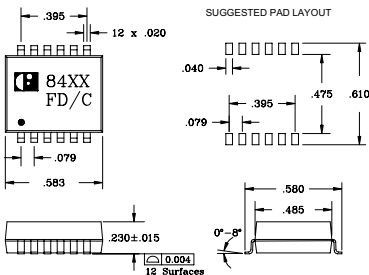
8447-8450



- Exceeds IEEE 802.3 and ANSI X3.263 including 350µH OCL with 8 mA bias
- Ideal for Pick & Place

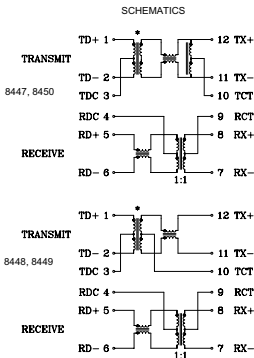


## MECHANICAL AND SCHEMATIC (All dimensions in inches)



\* REFER TO ELECTRICAL SPECIFICATIONS CHART FOR TURNS RATIO

UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE ±0.010



## ELECTRICAL SPECIFICATION @ 25°C

| Part Number | Transmit Turns Ratio | Insertion Loss (dB MAX) | Return Loss XMIT (dB MIN) |        |        |           |        | Differential to Common Mode Rejection (dB TYP) |         |         |       | Crosstalk (dB MIN) |        |         |      | Hipot (Vrms) |
|-------------|----------------------|-------------------------|---------------------------|--------|--------|-----------|--------|------------------------------------------------|---------|---------|-------|--------------------|--------|---------|------|--------------|
|             |                      | 100kHz - 100MHz         | 1-30 MHz                  | 40 MHz | 50 MHz | 60-80 MHz | 30 MHz | 60 MHz                                         | 100 MHz | 200 MHz | 1 MHz | 30 MHz             | 60 MHz | 100 MHz |      |              |
| 8447        | 1CT:1CT              | 1.2                     | -16                       | -14    | -13    | -12       | -59    | -49                                            | -42     | -37     | -60   | -40                | -40    | -35     | 1500 |              |
| 8448        | 1CT:1CT              | 1.2                     | -16                       | -14    | -13    | -12       | -55    | -45                                            | -38     | -33     | -60   | -40                | -40    | -35     | 1500 |              |
| 8449        | 2CT:1CT              | 1.2                     | -16                       | -14    | -13    | -12       | -55    | -45                                            | -38     | -23     | -60   | -40                | -40    | -35     | 1500 |              |
| 8450        | 1CT:2CT              | 1.2                     | -16                       | -14    | -13    | -12       | -59    | -49                                            | -42     | -37     | -60   | -40                | -40    | -35     | 1500 |              |

8447 and 8450 includes the Auto Transformer.



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