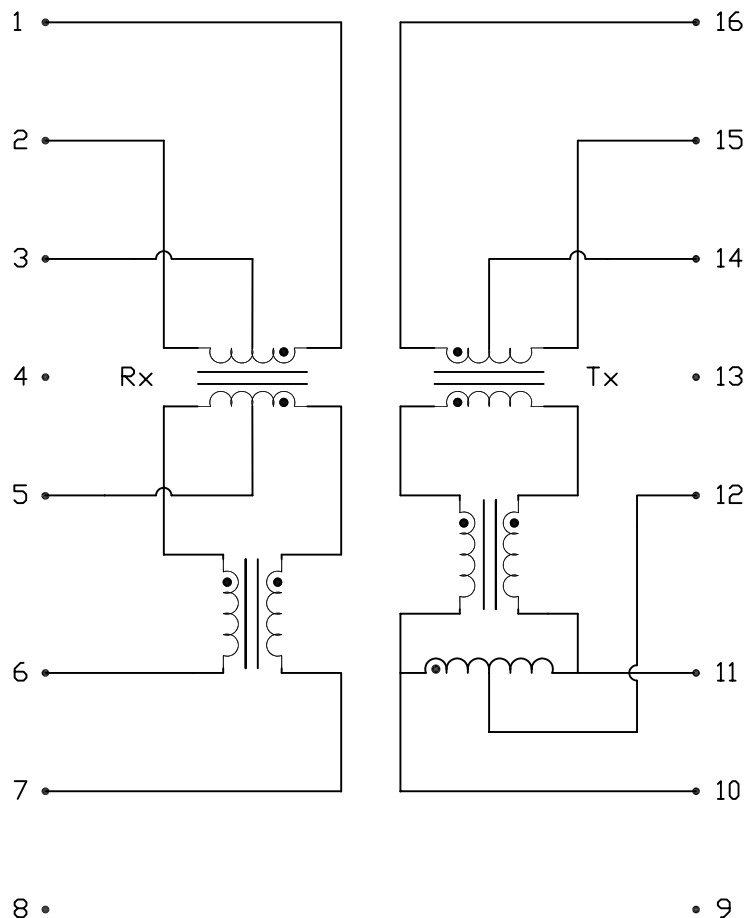


ELECTRICAL CHARACTERISTICS @25°C

SCHEMATIC



URNS RATIO

Rx (1-3-2) : (7-5-6)
Tx (16-14-15) : (10-12-11)

1CT : 1CT
1CT : 1.414CT

PHASING

1 TO 7 AND 16 TO 10
PER DOT CONVENTION

QCL

PIN (6 & 7), (10 & 11)

350uH MIN. AT 100kHz 100mV
WITH 8mA MIN. DC BIAS

INSERTION LOSS

1.2dB MAX, AT 100kHz TO 100

RETURN LOSS

MEASURED UNDER 100Ω
±15% ENVIRONMENT

| FREQ. (MHz) | 1 | 10 | 30 | 60 |
|-------------|----|----|----|----|
| dB MIN | 20 | 20 | 18 | 14 |

CMDR

1MHz
10MHz
50MHz
100MHz
200MHz

65dB MIN.
50dB MIN.
35dB MIN.
25dB MIN.
20dB MIN.

CROSSTALK

30dB MIN. AT 100kHz TO 100

COMMON TO COMMON MODE

1MHz
10MHz-50MHz
100MHz-200MHz

50dB MIN.
30dB MIN.
20dB MIN.

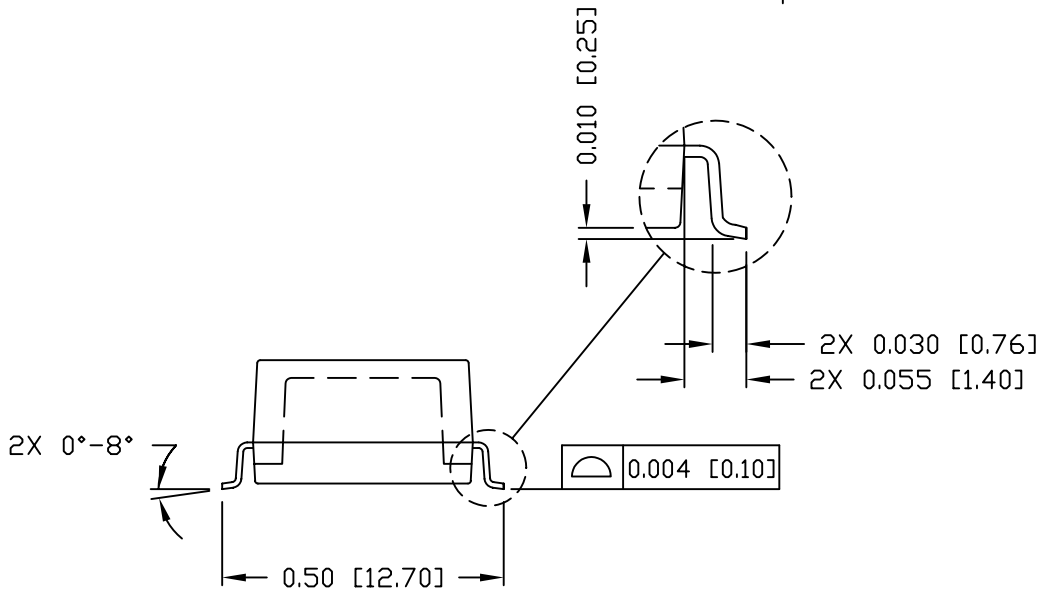
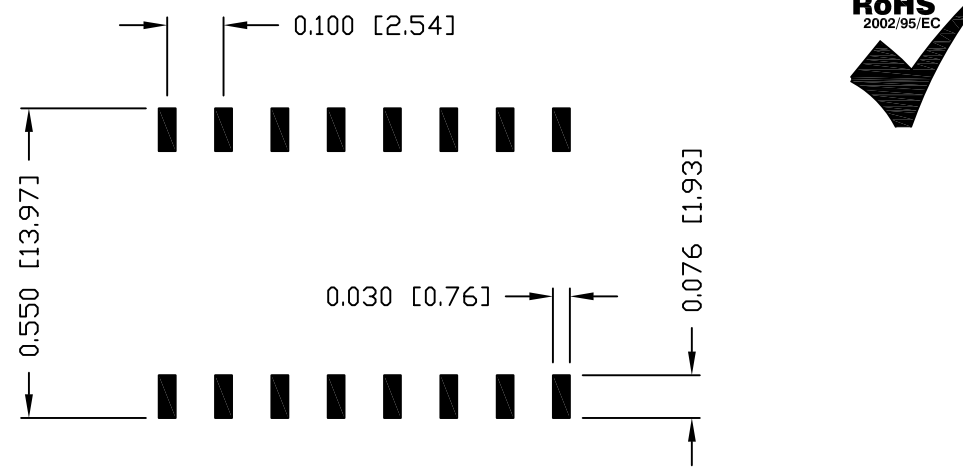
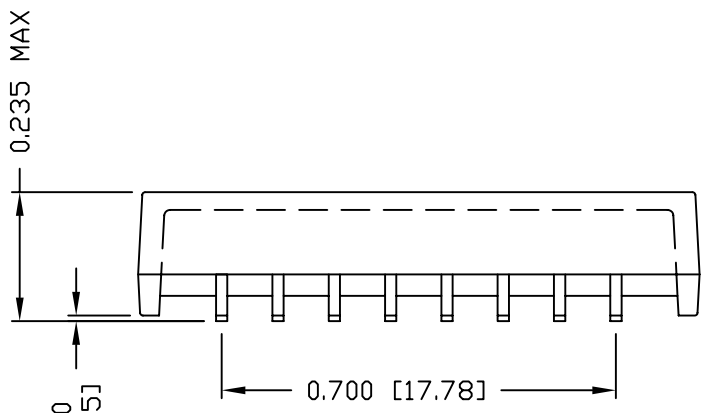
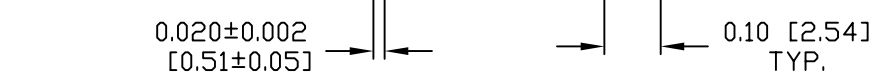
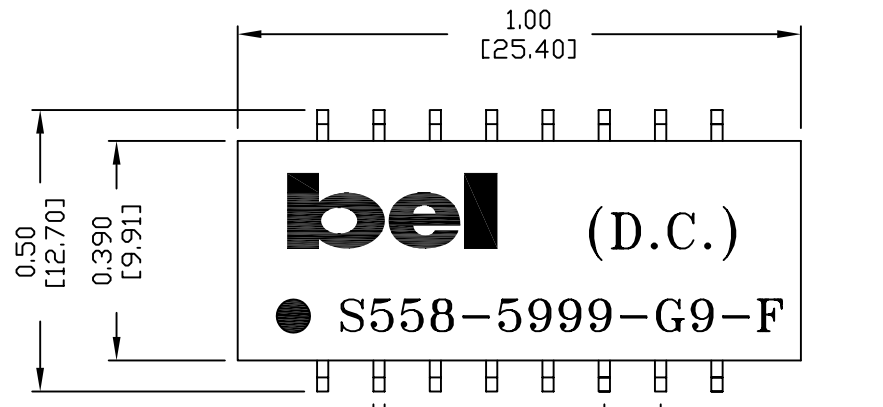
HIPOT

PER HAND-WORK-03

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | [] METRIC DIM. AS REFEREN |
|---------------|----------|---|------------------------|-------------------|----------------------------|
| HD | 12-05-05 | 10/100BT MAGNETICS MODULE TX W/BST S558-5999-G9-F | X5585999G9-F | TOL. IN INCH | UNIT : INCH [mm] REV. : |
| DRAWN BY | DATE | | FILE NAME | .X .XX .XXX | SCALE : N/A SIZE : |
| DQ Chen | 12-05-05 | | X5585999G9FA.DWG | | ⊕ REV. : PAGE : |

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SUGGESTED PCB PAD LAYOUT



NOTES:

- STANDARD MARKING REFER TO DOC. HAND-WORK-04.
- PACKAGE CODE: "RNS001".

| | | | | | |
|---------------|----------|--------------------------------------|------------------------|----------------------------|------------------------------|
| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE |
| HD | 12-05-05 | MECHANICAL DRAWING S558-5999-G9-F | X5585999G9-F | .X | UNIT : INCH [mm] |
| DRAWN BY | DATE | | FILE NAME | .XX ±0.01 | REV. : A |
| DQ Chen | 12-05-05 | | X5585999G9FA.DWG | .XXX ±0.005 | SCALE : N/A |
| | | | | | SIZE : A4 |
| | | | | | PAGE : 3 |

