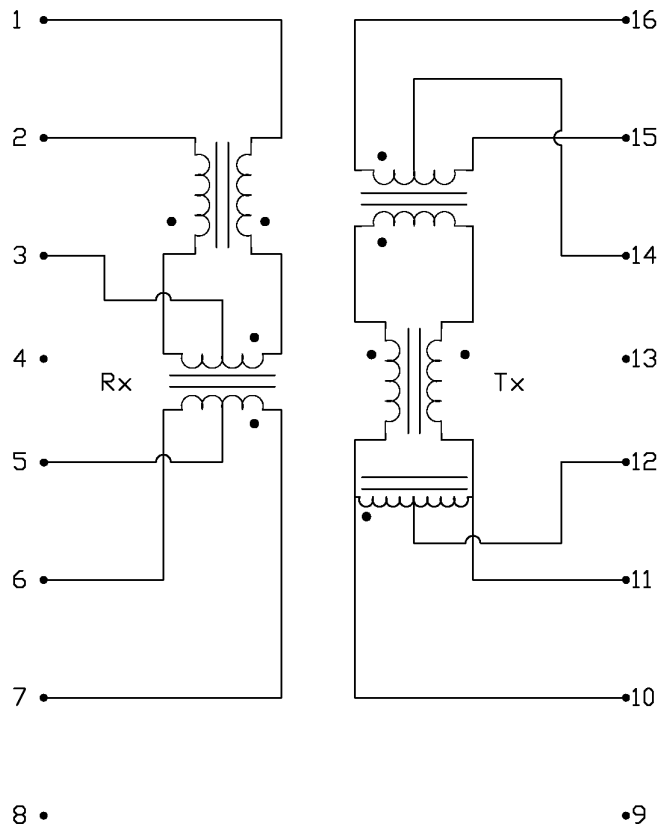


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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



URNS RATIO

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

1CT : 1CT  
1CT : 1CT

PHASING

1 TO 7 AND 16 TO 10 IN PHASE

OCL

(7-6) OPEN 1 & 2  
(10-11) OPEN 16 & 15

420uH MIN. AT 100kHz, 100mV  
WITH 8mA DC BIAS

INSERTION LOSS

1.0dB MAX AT 100kHz TO 80MHz

RETURN LOSS

MEASURED UNDER A 100 Ω  
ENVIRONMENT (16-15) TO (10-11)  
(6-7) TO (1-2)

| FREQ | 2MHz | 10MHz | 30MHz | 45MHz | 60MHz | 80MHz |
|------|------|-------|-------|-------|-------|-------|
| MIN. | 20dB | 20dB  | 19dB  | 16dB  | 13dB  | 12dB  |

RETURN LOSS

MEASURED UNDER 25 AND 100 Ω  
IMPEDANCE ENVIRONMENT ACROSS  
(16-14) AND (10-11)  
RESPECTIVELY

17dB MIN AT 5MHz & 10MHz

CMDR

40dB MIN AT 100kHz TO 50MHz  
30dB MIN ABOVE 50M TO 100MHz

CROSSTALK

HIPOT

30dB MIN AT 100kHz TO 100MHz  
PER HAND-WORK-03

|         |          |                          |
|---------|----------|--------------------------|
| DRWN    | DATE     | TITLE                    |
| DQ Chen | 01-26-05 | ELECTRICAL SPECIFICATION |
| CHKD    | DATE     |                          |
| HQ      | 01-26-05 | S558-5999-46-F           |

|                        |                  |
|------------------------|------------------|
| PART NO. / DRAWING NO. | FILE NAME        |
| X558599946-F           | X558599946FA.DWG |

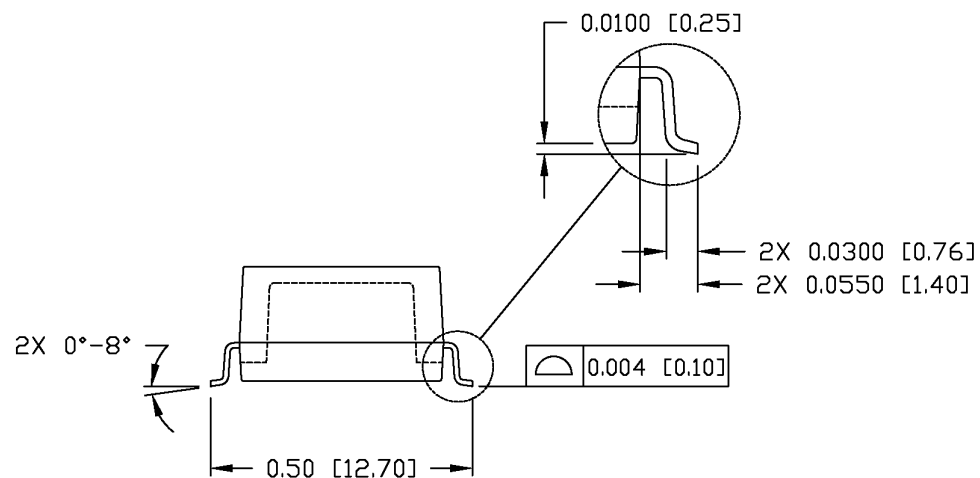
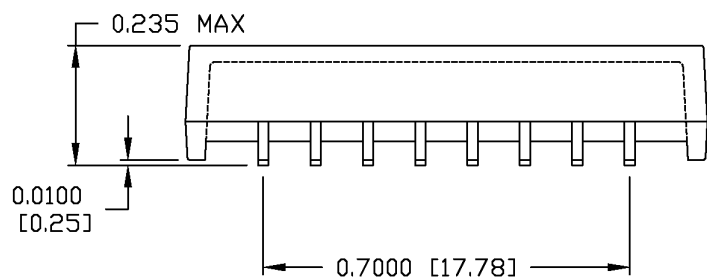
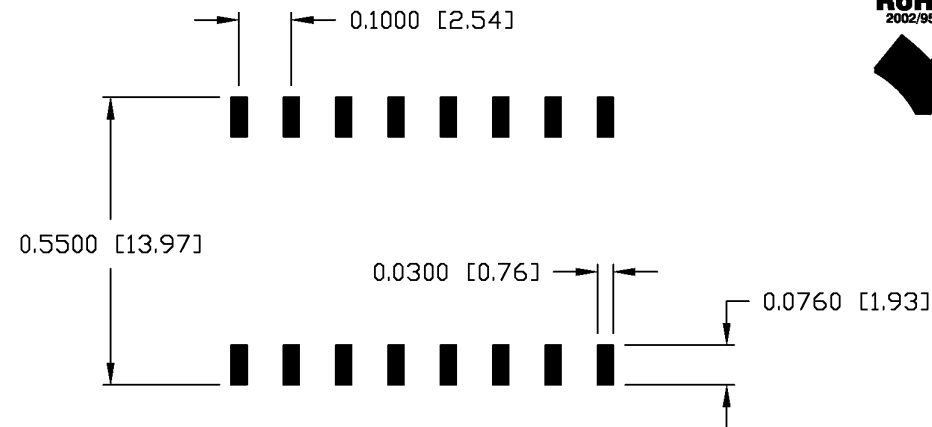
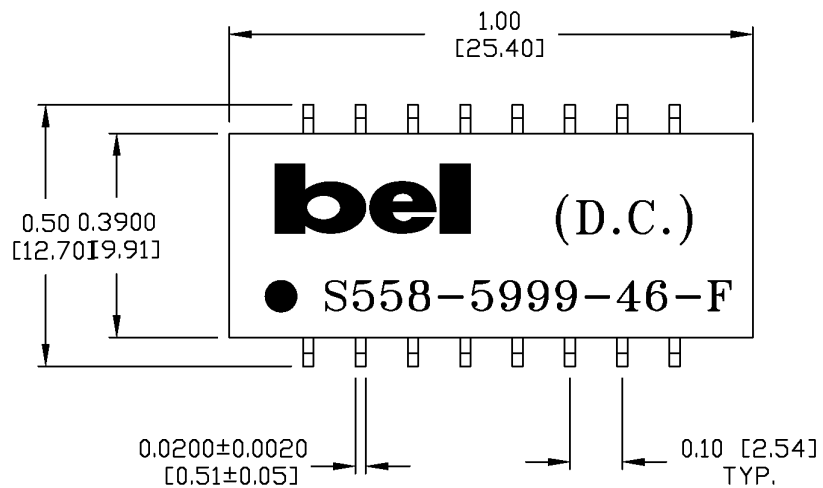
|               |                              |
|---------------|------------------------------|
| STANDARD DIM. | [ ] METRIC DIM. AS REFERENCE |
| TOL. IN INCH  | UNIT : INCH [mm] REV. : A    |
| .X            | SCALE : N/A SIZE : A4        |
| .XX           | PAGE : 2                     |
| .XXX          |                              |

|               |                              |
|---------------|------------------------------|
| STANDARD DIM. | [ ] METRIC DIM. AS REFERENCE |
| TOL. IN INCH  | UNIT : INCH [mm] REV. : A    |
| .X            | SCALE : N/A SIZE : A4        |
| .XX           | PAGE : 2                     |
| .XXX          |                              |



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SUGGESTED PCB PAD LAYOUT



NOTES:

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

| DRWN    | DATE     | TITLE              | PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH |       | [ ] METRIC DIM. AS REFERENCE |                  | REV. :    | bel                               |
|---------|----------|--------------------|------------------------|----------------------------|-------|------------------------------|------------------|-----------|-----------------------------------|
|         |          |                    |                        | .X                         | .XX   | .XXX                         | UNIT : INCH [mm] |           |                                   |
| DQ Chen | 01-26-05 | MECHANICAL DRAWING | X558599946-F           | .X                         | ±0.01 | ±0.005                       | UNIT : INCH [mm] | REV. : A  | COMPONENTS FOR A CONNECTED PLANET |
| CHKD    | DATE     | S558-5999-46-F     | FILE NAME              | .XX                        | ±0.01 | .XXX                         | SCALE : N/A      | SIZE : A4 |                                   |
| HQ      | 01-26-05 |                    | X558599946FADWG        |                            |       |                              | SCALE : N/A      | PAGE : 3  |                                   |

FORM NO. - ENG02082001

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