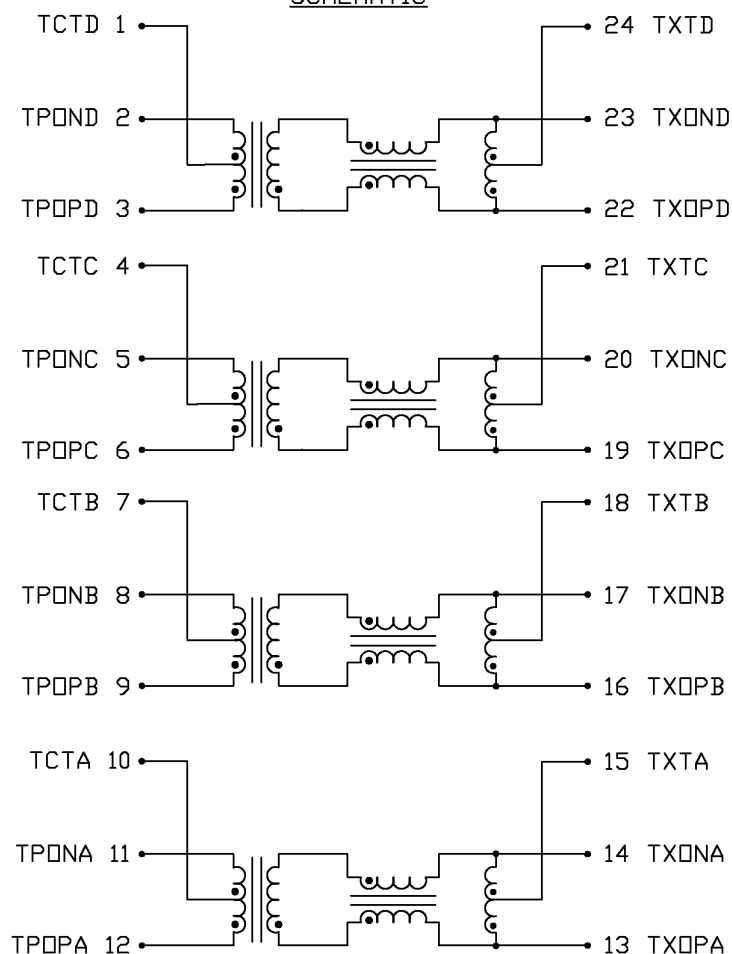


THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.



ELECTRICAL CHARACTERISTICS

SCHEMATIC



URNS RATIO

PIN(3-1-2) : (22-24-23)

PIN(6-4-5) : (19-21-20)

PIN(9-7-8) : (16-18-17)

PIN(12-10-11) : (13-15-14)

1CT : 1CT

1CT : 1CT

1CT : 1CT

1CT : 1CT

DCL

-40°C TO +85°C

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

INSERTION LOSS

1.1dB MAX. @ 0.1 MHz

0.5dB MAX. @ 1 MHz

0.8dB MAX. @ 65 MHz

1.0dB MAX. @ 100 MHz

1.5dB MAX. @ 125 MHz

RETURN LOSS

UNDER 100 OHMS
±15% ENVIRONMENT

18dB MIN. @ 0.5 TO 40 MHz

12-20LOG (f/80 MHz) dB MIN.

@ 40 TO 100 MHz

COMMON TO COMMON REJECTION

30dB MIN. @ 0.1 TO 100 MHz

CROSSTALK

@ 1-100 MHz

33-20LOG (f/100 MHz) dB MIN.

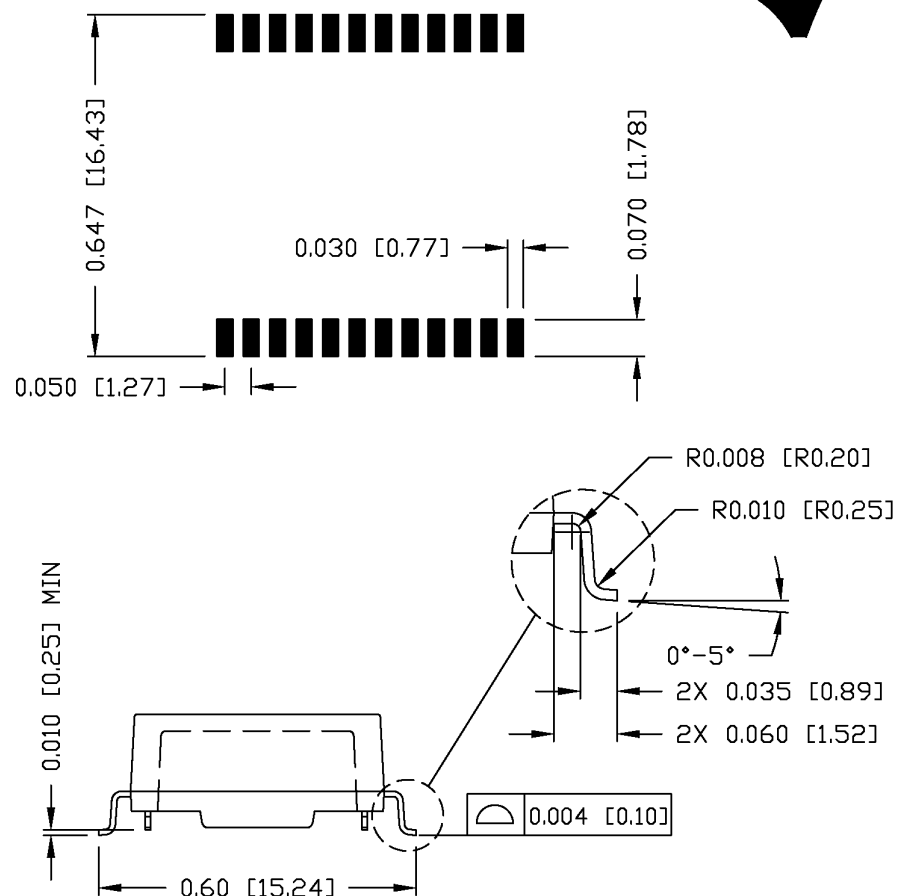
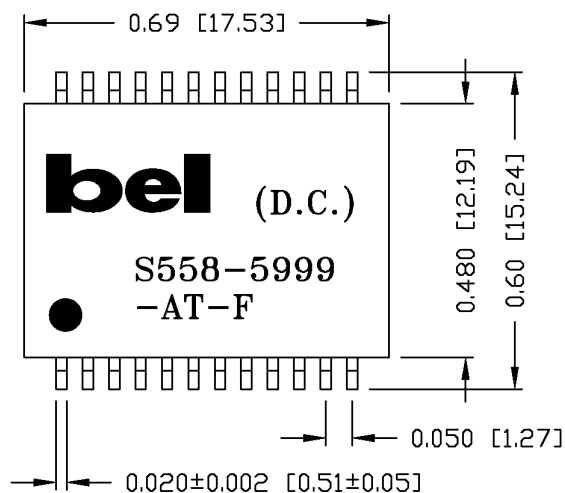
HIPOT

PER HAND-WORK-03

ORIGINATED BY	DATE	TITLE 1000BASE-T MAGNETIC MODULES S558-5999-AT-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
HQ	04-12-06 <td>X5585999AT-F</td> <th colspan="2">TOL. IN INCH</th> <th>UNIT : INCH [mm]</th> <th>REV. : A</th>		X5585999AT-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DQ Chen	04-12-06		X5585999ATFA.DWG	.XX		PAGE : 2		
			.xxx					

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

SUGGESTED PCB PAD LAYOUT



NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "RQS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
Lawrence	04-12-06	MECHANICAL DRAWING S558-5999-AT-F	X5585999AT-F	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX ±0.01	SCALE : N/A	SIZE : A4
DQ Chen	04-12-06		X5585999ATFA.DWG	.XXX ±0.005	PAGE : 3	

DC002(2)032305

This document is electronically generated. This is a controlled copy if used internally

