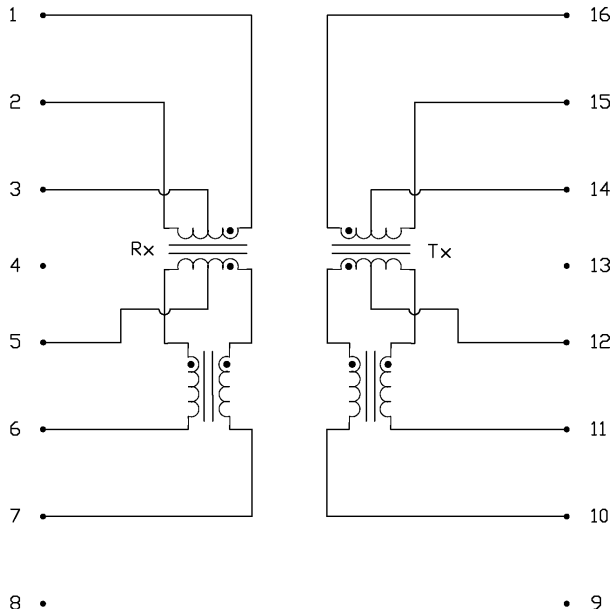


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ELECTRICAL CHARACTERISTICS @25°C



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

OCL

PIN(1-2) & (10-11)

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

INSERTION LOSS

1.2dB MAX. AT 100kHz TO 100MHz

RETURN LOSS

MEASURED UNDER A 100 Ω
ENVIRONMENT

FREQ. (MHz)	1	10	30	60	80	100
dB MIN	20	20	18	14	13	10

COMMON TO DIFFERENTIAL MODE REJECTION

FREQ. (MHz)	1	10	50	100	200
dB MIN	65	50	35	25	20

CROSSTALK

30dB MIN. AT 100kHz TO 100MHz

COMMON TO COMMON MODE REJECTION

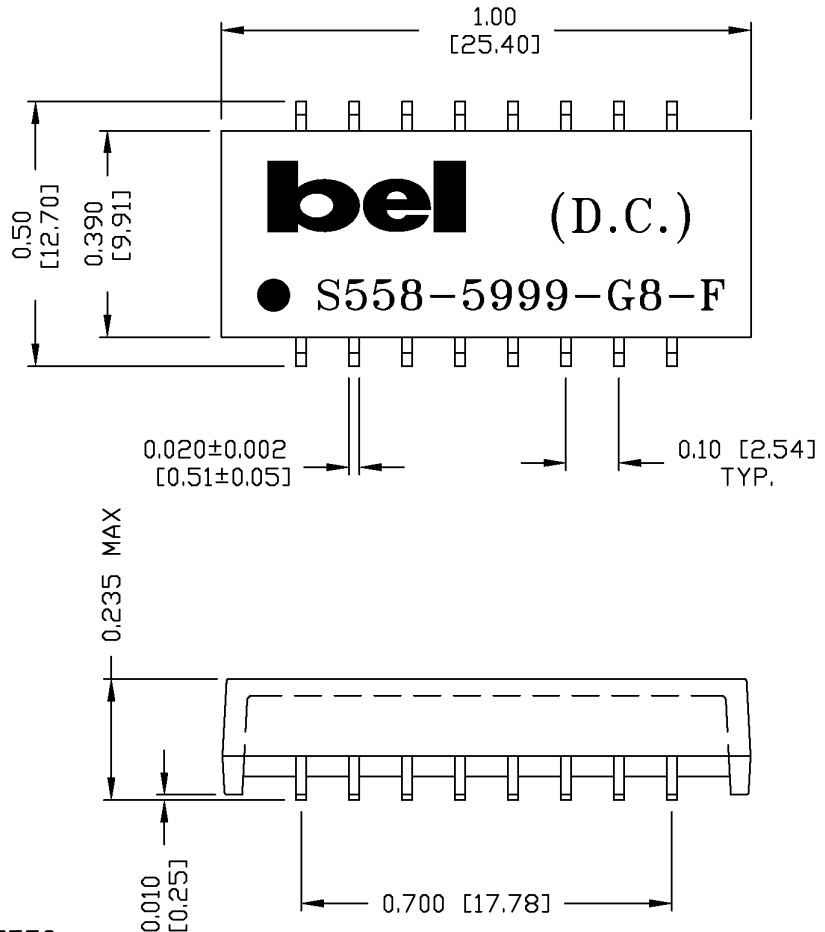
FREQ. (MHz)	1	10	50	100	200
dB MIN	50	30	30	20	20

HIPOT

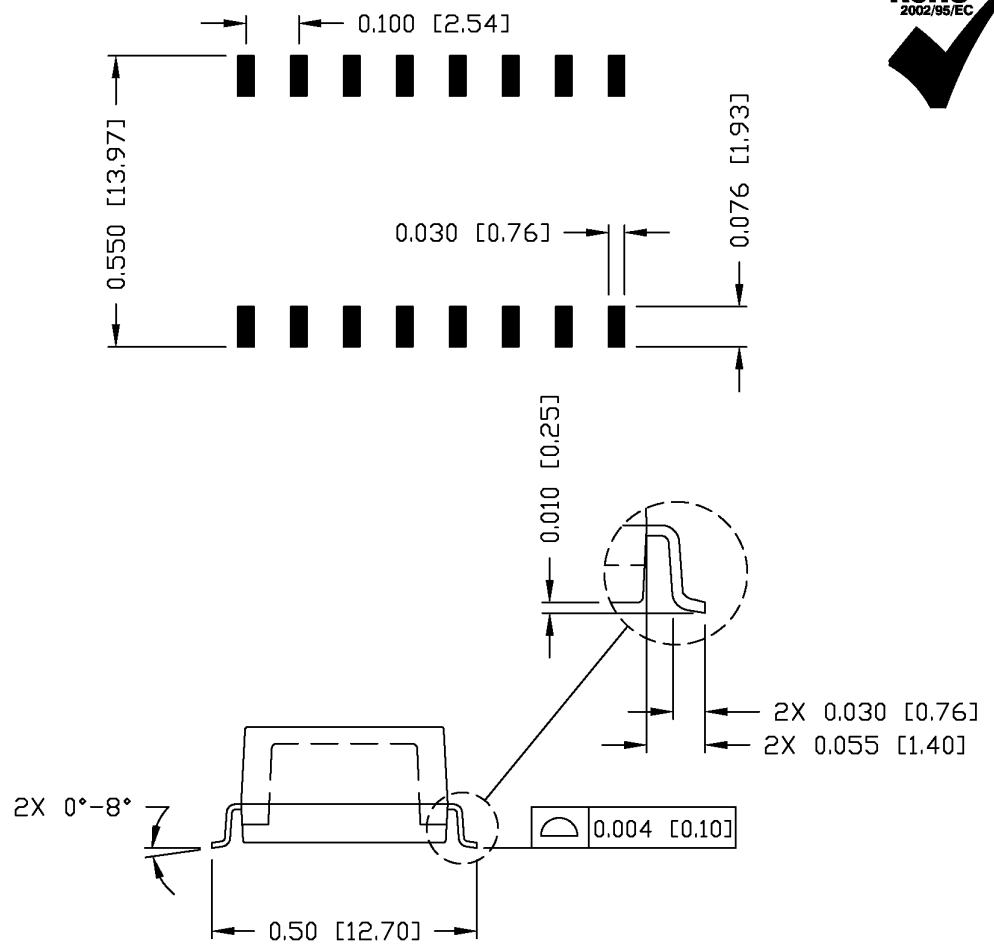
PER HAND-WORK-03

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANET	
HD	02-22-06	10/100BT MAGNETICS INTERFACE MODULE S558-5999-G8-F	X5585999G8-F	TOL. IN INCH	UNIT : INCH [mm]		REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A		SIZE : A4
DQ Chen	02-22-06	X5585999G8FA.DWG	.XX	⊕	PAGE : 2		

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SUGGESTED PCB PAD LAYOUT



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

ORIGINATED BY HQ	DATE 05-23-06	TITLE MECHANICAL DRAWING S558-5999-G8-F	PART NO. / DRAWING NO. X5585999G8-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS OF A CONNECTED PLANET	
DRAWN BY DQ Chen	DATE 05-23-06		FILE NAME X5585999G8FA.DWG	.X	UNIT : INCH [mm]		REV. : A
				.XX ±0.01	SCALE : N/A		SIZE : A4
				.XXX ±0.005		PAGE : 3	