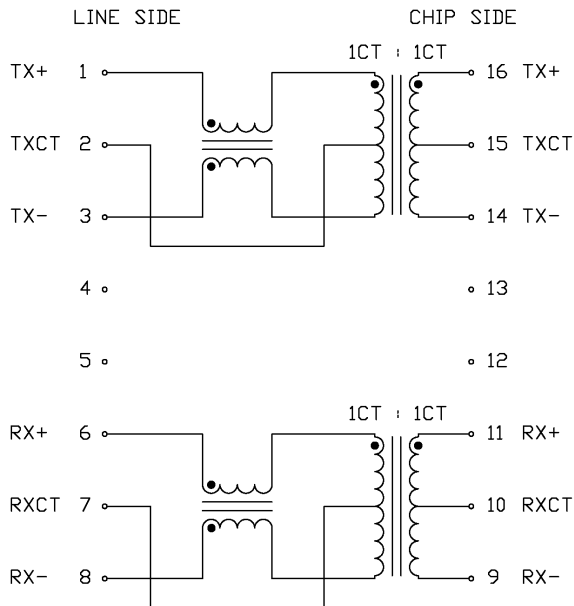


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ELECTRICAL CHARACTERISTICS @25°C



SCHEMATIC



URNS RATIO

PIN 1-2-3 : 16-15-14

PIN 6-7-8 : 11-10-9

1CT : 1CT

1CT : 1CT

QCL

PIN 16-14

11-9

350μH MIN.

@ 100kHz, 100mVrms

W/8mA DC BIAS

LEAKAGE INDUCTANCE, Le

PIN 16-14 (SHORT 1-3)

PIN 11-9 (SHORT 6-8)

300nH MAX.

@ 1MHz, 20mVrms

INTERWINDING CAPACITANCE, Cw/w

PIN 1-3 TO 16-14

PIN 6-8 TO 11-9

30pF MAX.

@ 1MHz, 20mVrms

WINDING RESISTANCE, DCR

PIN 1-3 ; 6-8

PIN 16-14 ; 11-9

2.0 ΩHM MAX.

1.0 ΩHM MAX.

INSERTION LOSS

@ 100kHz-100MHz

1.0dB MAX.

RETURN LOSS

@ 1MHz-30MHz

@ 30-60MHz

@ 60-80MHz

18dB MIN.

18-20 LOG (F/30MHz) MIN.

10dB MIN.

CROSSTALK

@ 100kHz-100MHz

35dB MIN.

CM TO CM MODE REJ.

@ 100kHz-100MHz

30dB MIN.

CM TO DM MODE REJ.

@ 100kHz-100MHz

40dB MIN.

HIPOT

1500Vrms

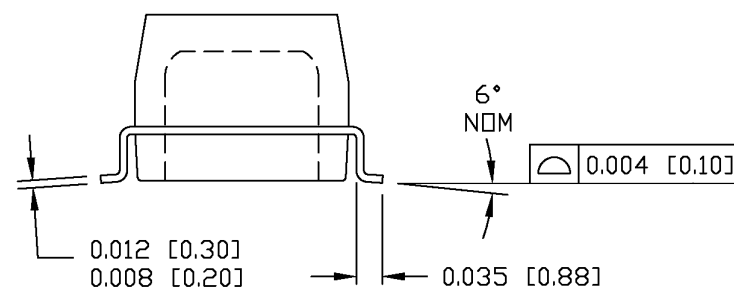
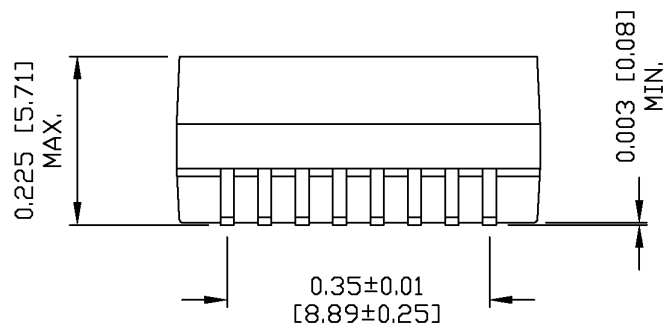
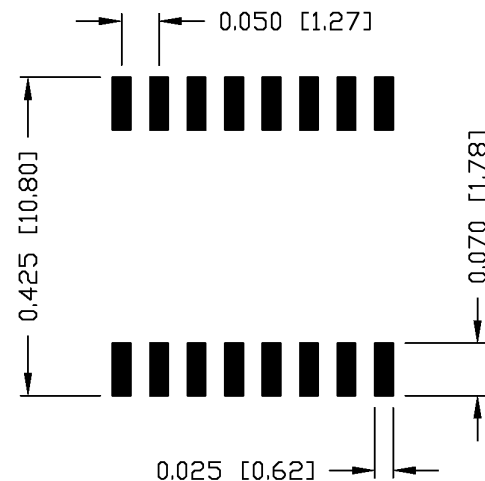
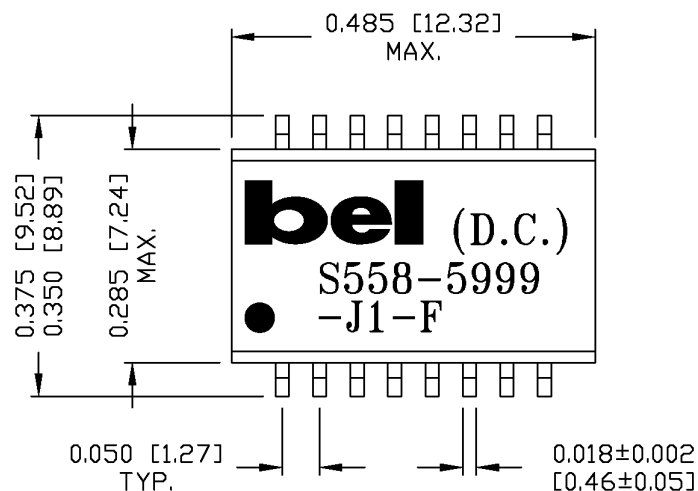
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANET
HO	05-23-06	10/100BT MAGNETICS MODULE S558-5999-J1-F	X5585999J1-F	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
DQ Chen	05-23-06		X5585999J1FA.DWG	.XX	SIZE : A4	
				.XXX	PAGE : 2	

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RoHS
2002/95/EC



SUGGESTED PCB PAD LAYOUT



NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "QBS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
HQ	05-23-06	MECHANICAL DRAWING S558-5999-J1-F	X5585999J1-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DQ Chen	05-23-06		X5585999J1FA.DWG	.XX ±0.01 .XXX ±0.005	SCALE : N/A	PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET