

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[S558-5999-Z5-F](#)

For any questions, you can email us directly:

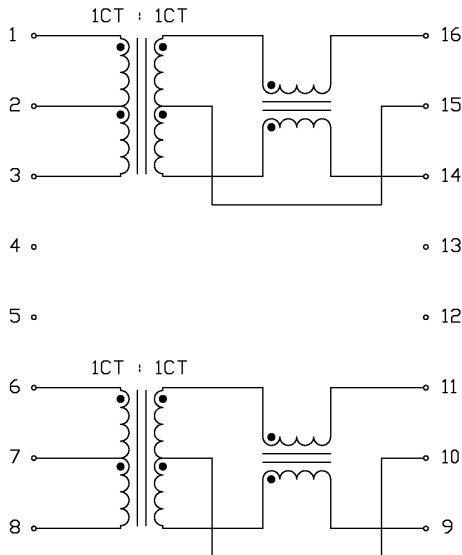
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 "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



URNS RATIO
 Tx (1&2&3) : (16&15&14)
 Rx (6&7&8) : (11&10&9)

PHASING

1CT : 1CT
 1CT : 1CT
 16 TO 1 ; 14 TO 3
 11 TO 6 ; 9 TO 8

DCL (-40°C - 85°C)

Tx (16&14)
 Rx (11&9)

@ 100kHz 100mVrms, w/8mA DC BIAS
 350uH MIN.
 350uH MIN.

LEAKAGE INDUCTANCE (Le)

Tx (16&14) WITH 1&2&3 SHORTED;
 Rx (11&9) WITH 6&7&8 SHORTED;

@ 1 MHz, 20mV
 0.35uH MAX.
 0.35uH MAX.

INTERWINDING CAPACITANCE (Cw/w)

Tx (1&3 TO 16&14) & Rx (6&8 TO 11&9)

@ 1 MHz, 20mV
 30pF MAX.

DCR WINDING RESISTANCE

(1-3) ; (6-8)
 (16-14) ; (11-9)

1.0 OHMS MAX.
 2.0 OHMS MAX.

INSERTION LOSS

@100kHz TO 100MHz

1.0dB MAX.

RETURN LOSS

(UNDER 100 OHMS ±15% ENVIRONMENT)

@0.1 TO 30 MHz
 @30 TO 60 MHz
 @60 TO 80 MHz

18dB MIN.
 18-20 LOG (F/30MHz)
 10dB MIN.

COMMON TO COMMON MODE ATTENUATION

@0.1 TO 100 MHz

30dB MIN.

CROSSTALK

@1MHz TO 100MHz

35dB MIN.

COMMON TO DIFFERENTIAL MODE ATTENUATION

@0.1 TO 100 MHz

40dB MIN.

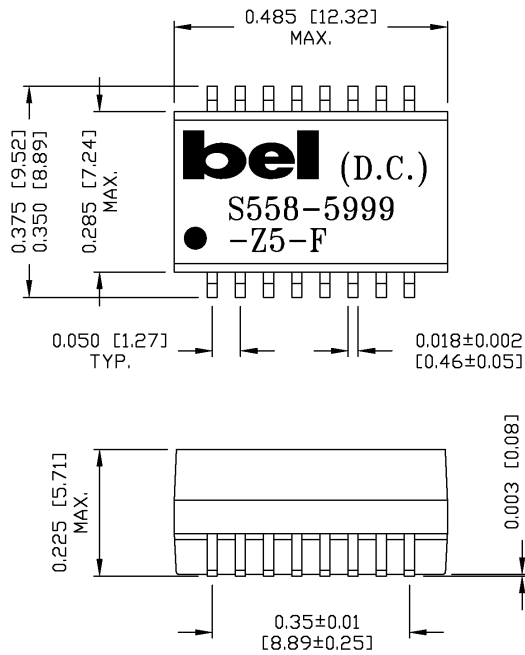
HIPOT

PER HAND-WORK-03

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
HO	04-27-06	10/100BT MAGNETICS MODULE	X5585999Z5-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DQ Chen	04-27-06	S558-5999-Z5-F	X5585999Z5FA.DWG	.XXX	PAGE : 2



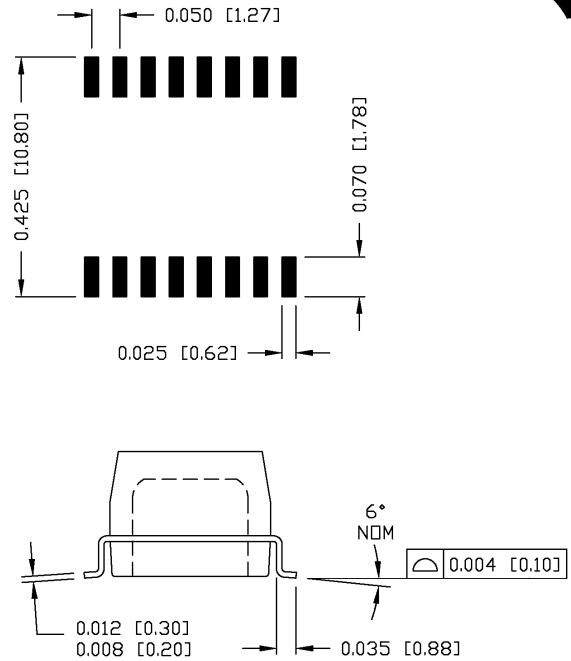
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NOTES:

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

SUGGESTED PCB PAD LAYOUT



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
HO	04-27-06	MECHANICAL DRAWING	X5585999Z5-F	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
DQ Chen	04-27-06	S558-5999-Z5-F	X5585999Z5FA.DWG	.XXX		PAGE : 3

