

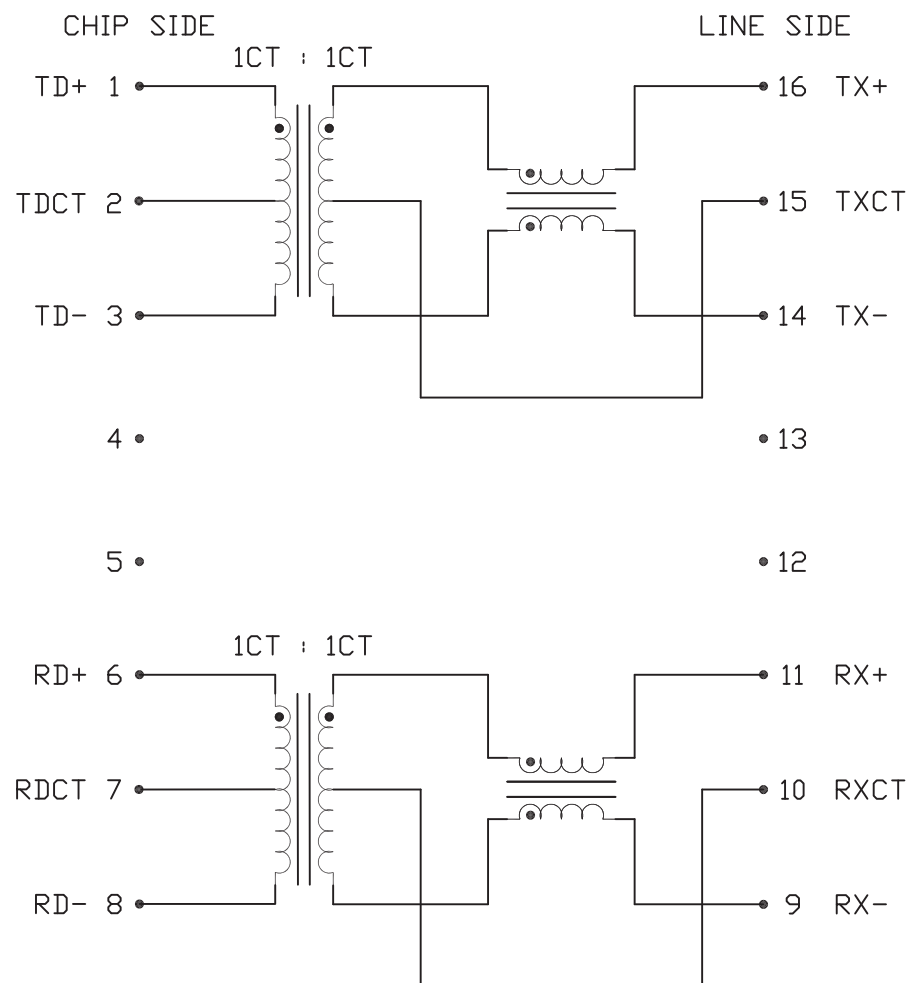
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

ELECTRICAL CHARACTERISTICS @25°C

RoHS



SCHEMATIC



NOTES :

THIS PRODUCT HAS BEEN SUPPLYING TO JAPAN CUSTOMERS.
PCN PROCESS NEEDS TO COMPLY WITH 4M CRITERIA.

TURNS RATIO

1-2-3 : 16-15-14
6-7-8 : 11-10-9

POLARITY

□CL

Tx PIN 1-3
Rx PIN 6-8

LEAKAGE INDUCTANCE, L_e

CHIP SIDE WITH LINE SIDE SHORT

INTERWINDING CAPACITANCE, C_w/w

CHIP SIDE TO LINE SIDE

DC RESISTANCE

PIN (1-3) = (6-8)

INSERTION LOSS

300kHz - 80MHz

RETURN LOSS

300kHz - 30MHz
30MHz - 60MHz
60MHz - 80MHz

COMMON TO COMMON MODE REJ

300kHz - 100MHz

COMMON TO DIFFERENTIAL MODE REJ

300kHz - 100MHz

CROSSTALK

300kHz - 100MHz

HIPOT

OPERATING TEMPERATURE -40°C TO +85°C

1CT : 1CT
1CT : 1CT

PER DOT CONVENTION

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

0.3μH MAX
@1MHz, 20mVrms

30pF MAX
@1MHz, 20mVrms

1.10hm MAX

1.0dB MAX

18dB MIN
18-20LOG(F/30MHz) dB MIN
12dB MIN

40dB TYP




40dB MIN

40dB MIN

1500Vrms

REV. : F

PAGE : 2

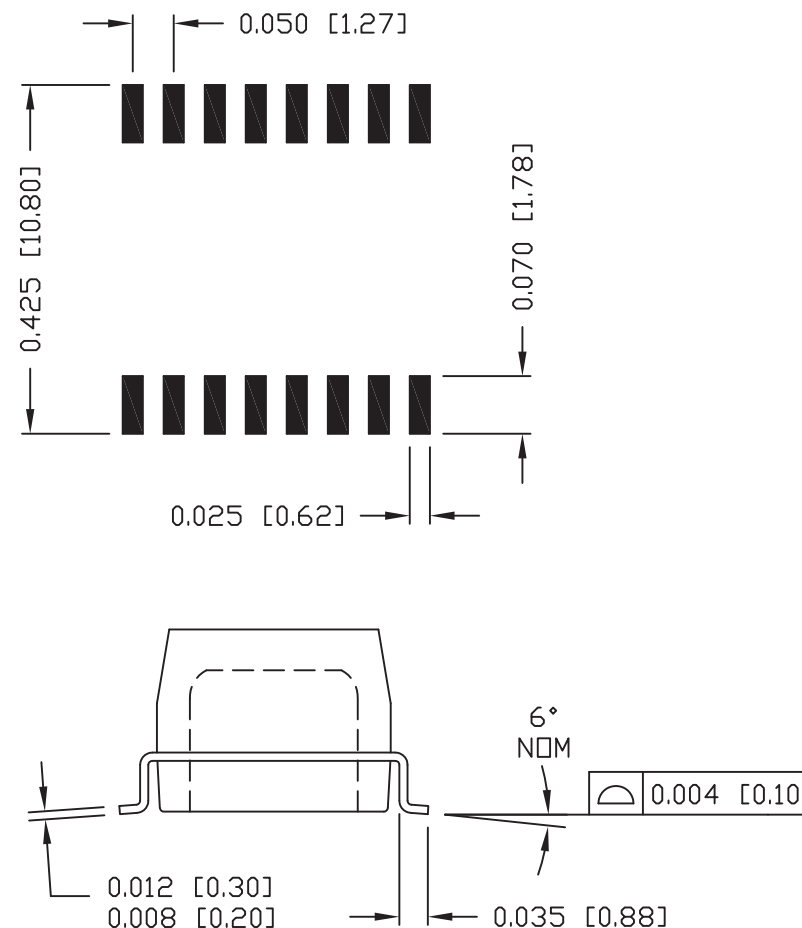
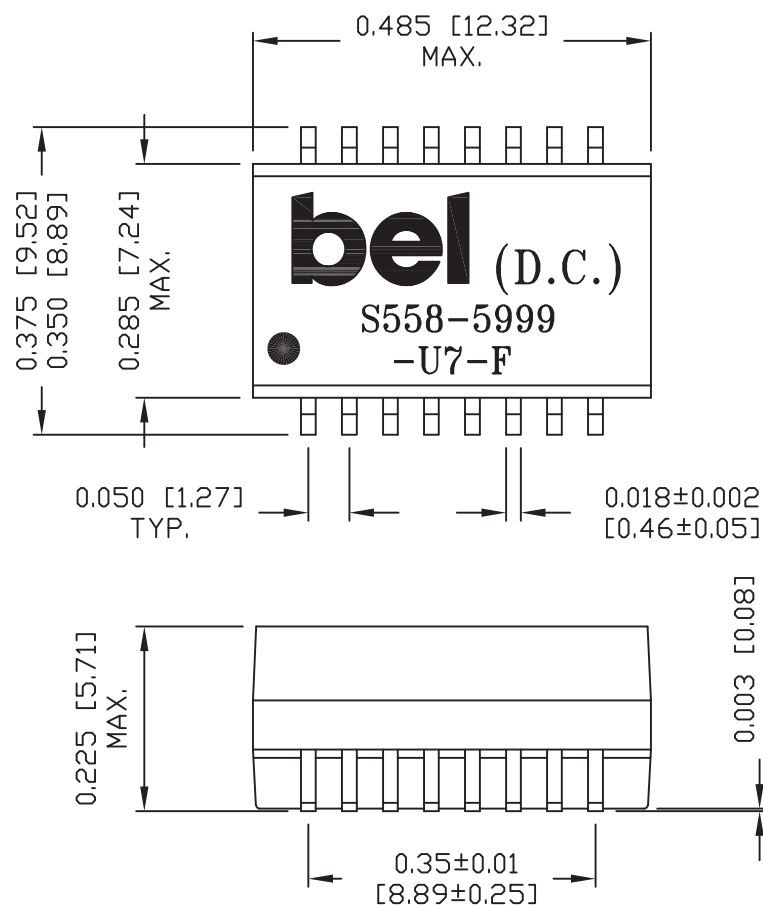
ORIGINATED BY	DATE	TITLE 10/100BT MAGNETICS MODDLE S558-5999-U7-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REF.		 POWER PROTECT CONNECT
Alice Pang	2015-07-16		X5585999U7-F	TOL. IN INCH		UNIT : INCH [mm]		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A		
ZC Guo	2015-07-16		X5585999U7FF.DWG	.XX		SIZE : A4		
			.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.

RoHS



SUGGESTED PCB PAD LAYOUT



NOTES :

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "QBS001".
3. THIS PRODUCT HAS BEEN SUPPLYING TO JAPAN CUSTOMERS. PCN PROCESS NEEDS TO COMPLY WITH 4M CRITERIA.

REV. : F PAGE : 3

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.
Lawrence Tsang	2015-07-16	MECHANICAL DRAWING S558-5999-U7-F	X5585999U7-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
ZC Guo	2015-07-16		X5585999U7FF.DWG	.XX ±0.01	SIZE : A4
				.XXX ±0.005	



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[S553-6500-89-F](#)