

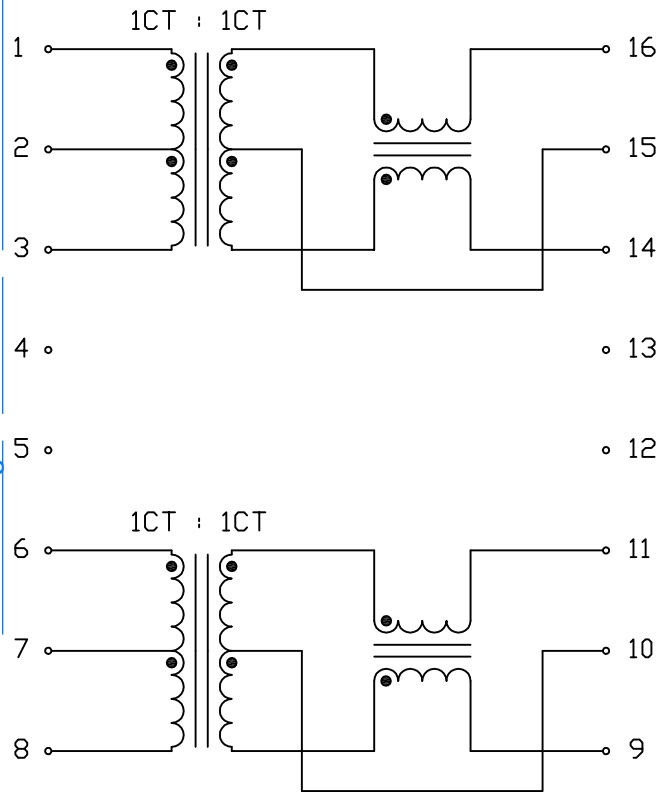
Additional Resources: Product Page 3D Model Technical Documentation

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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



NOTES :

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

URNS RATIO

Tx (1&2&3) : (16&15&14)

Rx (6&7&8) : (11&10&9)

1CT : 1CT

1CT : 1CT

PHASING

16 TO 1 ; 14 TO 3

11 TO 6 ; 9 TO 8

QCL (-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 SAlce PangRTED:

Rx (11&9) WITH 6&7&8 SAlce PangRTED:

@ 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

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

ORIGINATED BY	DATE
Alice Pang	2021-01-28
DRAWN BY	DATE
ZC. Guo	2021-01-28

TITLE
10/100BT MAGNETICS MODULE
S558-5999-Z5-F

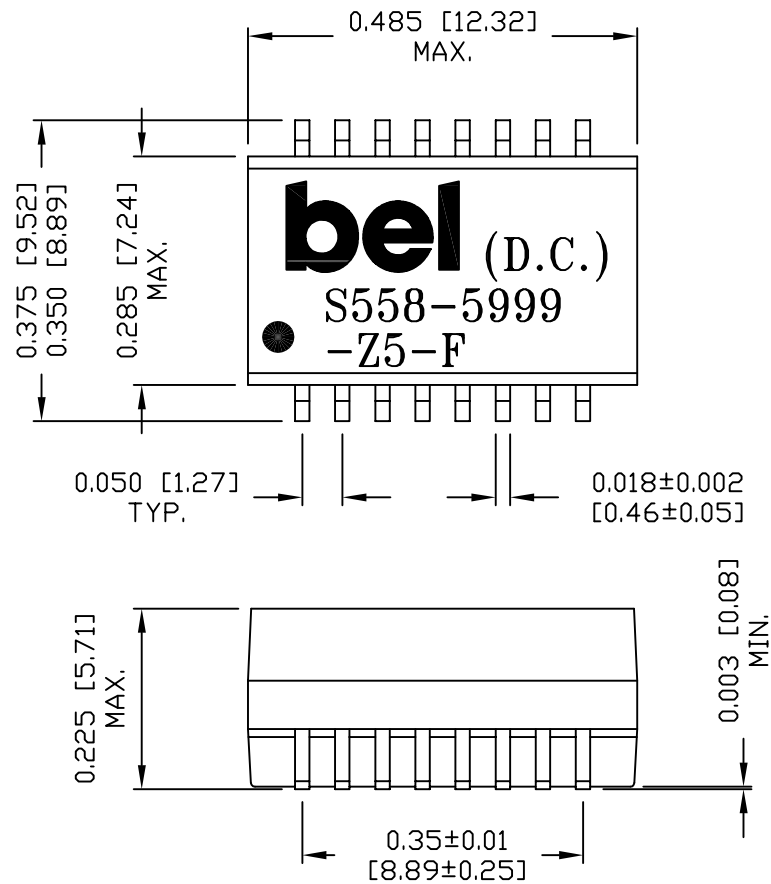
PART NO. / DRAWING NO.
S558-5999-Z5-F
FILE NAME
S5585999Z5FA.DWG

STANDARD DIM.	[] METRIC DIM. AS REF.
TOL. IN INCH	UNIT : INCH [mm]
.X	SCALE : N/A
.XX	SIZE : A4
vvv	

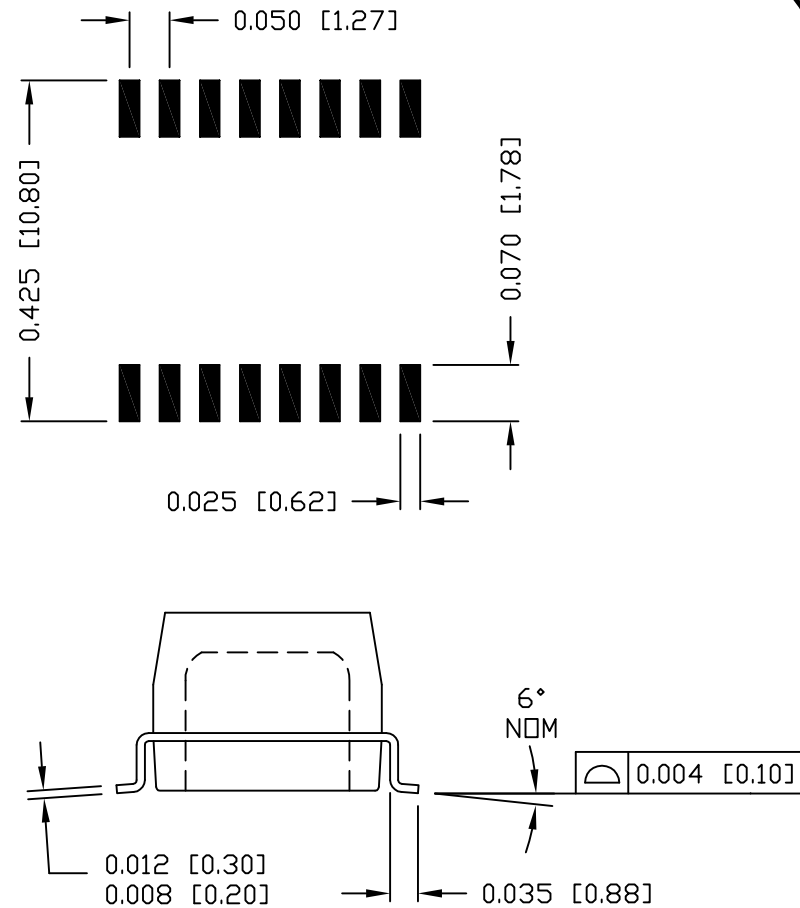
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SUGGESTED PCB PAD LAYOUT



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.

ORIGINATED BY	DATE
Lawrence Tsang	2021-01-28
DRAWN BY	DATE
ZC. Guo	2021-01-28

TITLE
MECHANICAL DRAWING
S558-5999-Z5-F

PART NO. / DRAWING NO.
S558-5999-Z5-F
FILE NAME
S5585999Z5FA.DWG

STANDARD DIM.	[] METRIC DIM. AS REF.
TOL. IN INCH	UNIT : INCH [mm]
.X	SCALE : N/A
.XX ±0.01	SIZE : A4
.XXX ±0.005	

REV. :	PAGE :
A	3

