

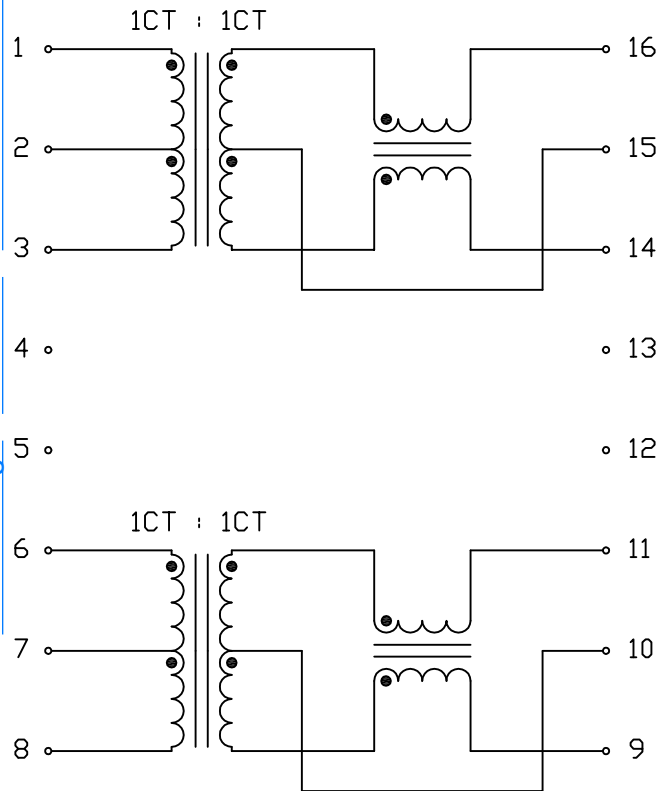
Additional Resources: Product Page 3D Model Technical Documentation

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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

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

NOTES :

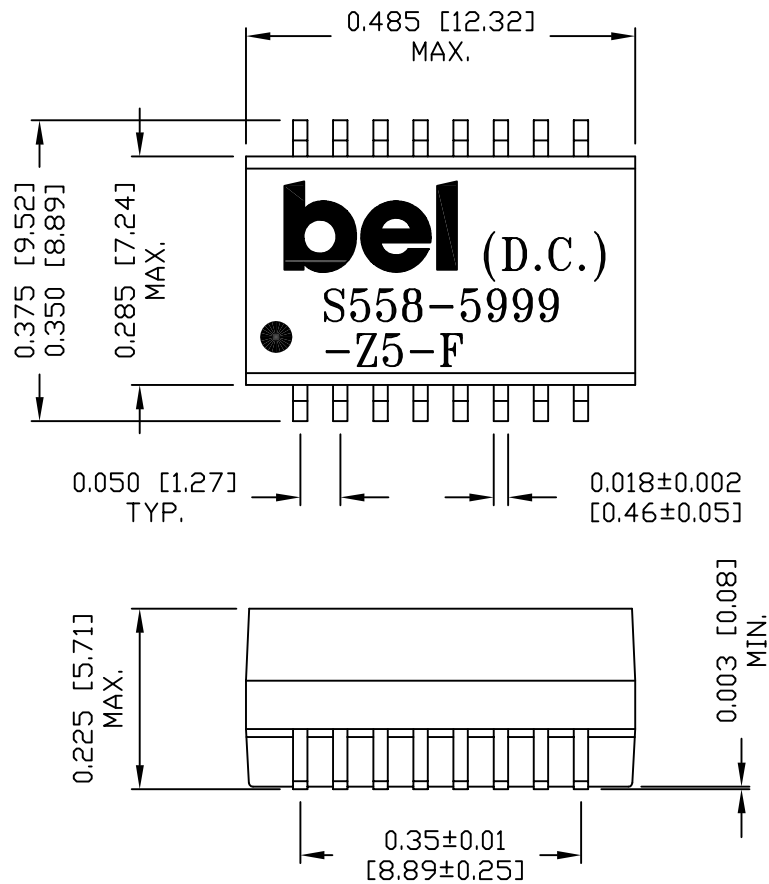
THIS PRODUCT HAS BEEN SUPPLYING TO
JAPAN CUSTOMERS. PCN PROCESS NEEDS
TO COMPLY WITH 4M CRITERIA.

REV. : A PAGE : 2

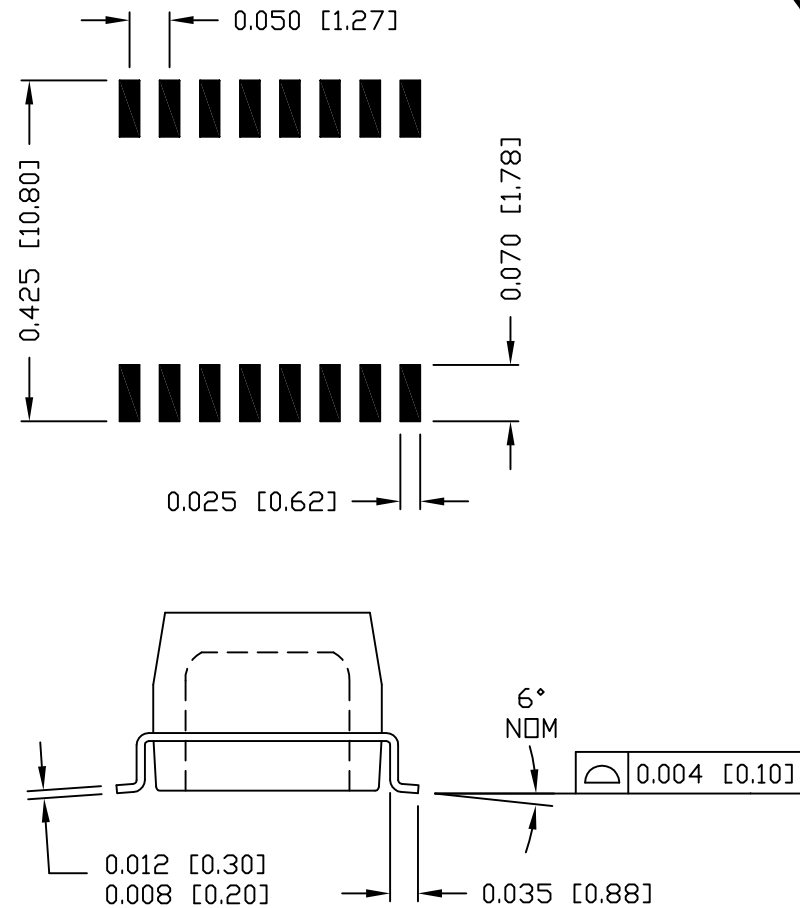
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.
Alice Pang	2021-01-28	10/100BT MAGNETICS MODULE	S558-5999-Z5-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
ZC Guo	2021-01-28	S558-5999-Z5-F	S5585999Z5FA.DWG	.XX	SIZE : A4
				.XXX	



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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	TITLE MECHANICAL DRAWING S558-5999-Z5-F	PART NO. / DRAWING NO. S558-5999-Z5-F		STANDARD DIM.		[] METRIC DIM. AS REF.		 POWER PROTECT CONNECT
Lawrence Tsang		2021-01-28		FILE NAME S5585999Z5FA.DWG		TOL. IN INCH		UNIT : INCH [mm]		
DRAWN BY		DATE				.X		SCALE : N/A		
ZC Guo		2021-01-28				.XX ±0.01		SIZE : A4		
					.XXX ±0.005					