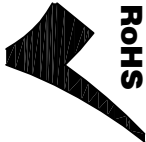


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ELECTRICAL SPECIFICATIONS @25°C



TURNS RATIO

1CT : 1CT

PHASE

2 TD 23, 5 TD 20,
8 TD 17, 11 TD 14 IN PHASE

SCHEMATIC

DCL

<2-3>, <5-6>, <8-9>, <11-12>

350uH MIN. AT 100KHz, 100mV
WITH 8mA DC BIAS, (0-70°C)

D.C.R

<22-23>, <19-20>, <16-17>, <13-14>

1.2DHM Max

INSERTION LOSS

-1.0dB MAX. @ 1 TD 100MHZ
-2.0dB MAX. @ 125MHZ

RETURN LOSS

MEASURED UNDER A 100 Ω I/D

-18dB MIN. @ 1-30MHZ
-13.1dB MIN. @ 60MHZ
-12dB MIN. @ 80MHZ
-10dB MIN. @ 100MHZ

CROSSSTALK

-30dB MIN. AT 10 TD 100 MHz

COMMON TO COMMON REJECTION

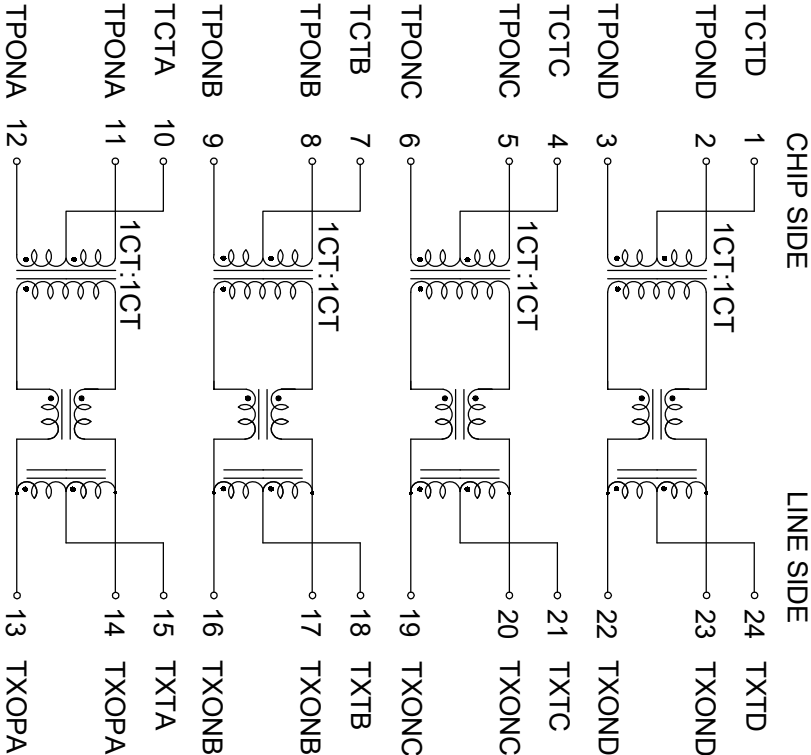
-30dB MIN. AT 100KHz TD 100MHZ

HIPOT

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

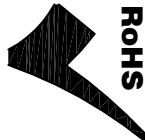
Applicable Operating temp

-40°C~+85°C

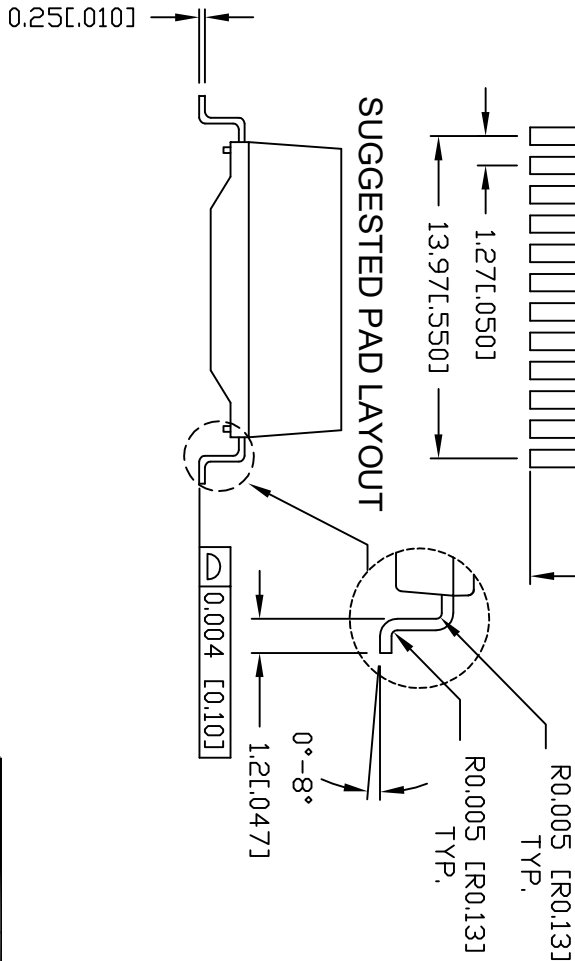
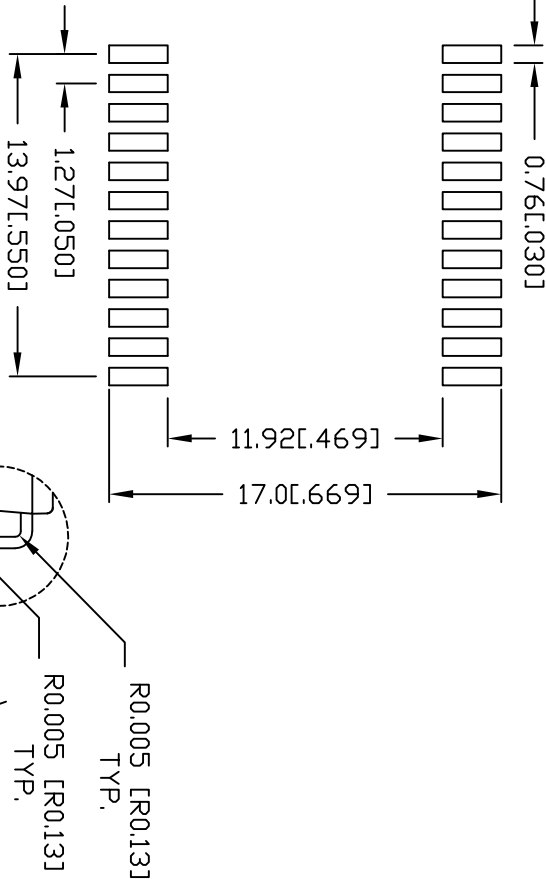
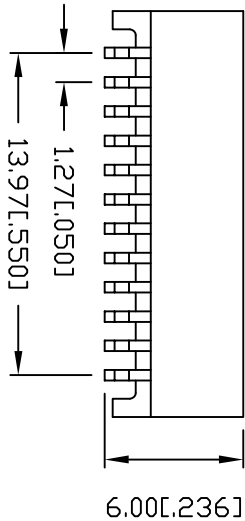
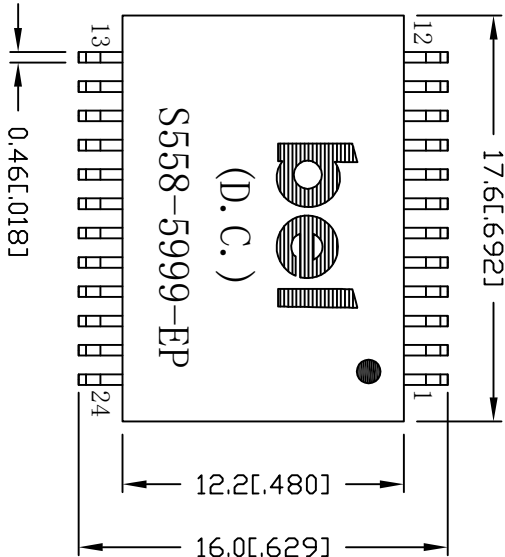


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. [] METRIC DIM. AS REF.	REV. : A	PAGE : 2
yan bin zhang	2025-3-7	Electrical specification	S558-5999-EP	TOL. IN INCH		
DRAWN BY	DATE	1000BASE-T module	FILE NAME	.X	UNIT : INCH [mm]	
ya chen zhou	2025-3-7		S558-5999-EP_A.DWG	.XX	SCALE : N/A	
				.XXX	SIZE : A1	





SUGGESTED PCB PAD LAYOUT



ORIGINATED BY	DATE
yan bin zhang	2025-3-7
DRAWN BY	DATE
ya chen zhou	2025-3-7

TITLE
Mechanical specification 1000BASE-T module

PART NO. / DRAWING NO.
S558-5999-EP
FILE NAME
S558-5999-EP_A.DWG

STANDARD DIM.	[] METRIC DIM. AS REF.
TOL. IN INCH	
.X	
.XX	±0.01
.XXX	±0.005
SCALE :	N/A
SIZE :	A1

REV. : A	PAGE : 3
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