

ELECTRICAL SPECEIFICATIONS @25°C

RoHS



URNS RATIO

1CT : 1CT

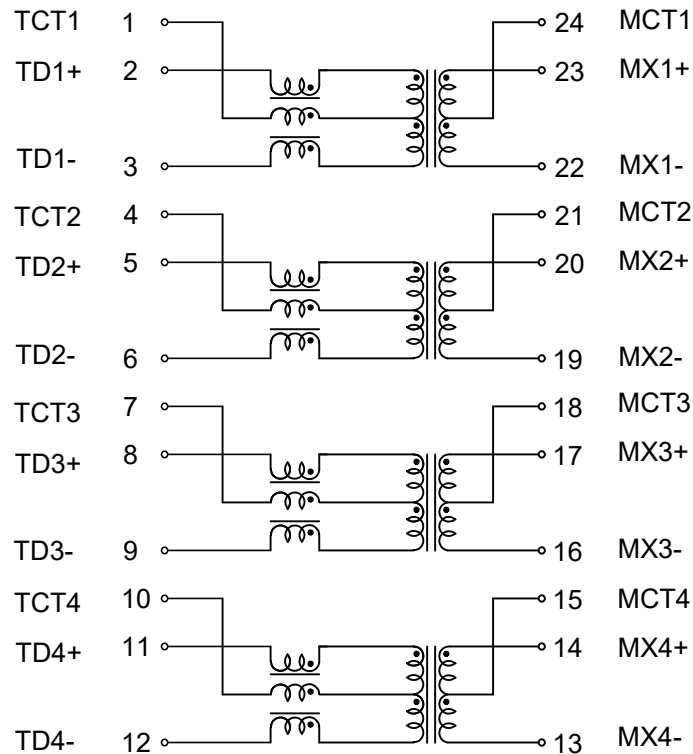
PHASE

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

SCHEMATIC

CHIP Side
(Primary)

Line Side
(Secmary)



OCL

(23-22), (20-19), (17-16), (14-13)

AT 100kHz, 100mV

350uH MIN. WITH 8mA DC BIAS

120uH MIN. WITH 19mA DC BIAS

D.C.R

(2-3), (5-6), (8-9), (11-12)

1.2ΩHM Max

INSERTION LOSS

-1.0dB MAX. @ 1 TO 100MHz

-2.0dB MAX. @ 125MHz

RETURN LOSS

MEASURED UNDER A 100 Ω I/O

-18dB MIN. @ 1-30MHz

-13.1dB MIN. @ 60MHz

-12dB MIN. @ 80MHz

-10dB MIN. @ 100MHz

CROSSTALK

-30dB MIN. AT 10 TO 100 MHz

COMMON TO COMMON REJECTION

-30dB MIN. AT 100kHz TO 100MHz

HIPOT

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

PoE

Suitable for End-span PoE applications
with 720mA current capability

Applicable Operating temp

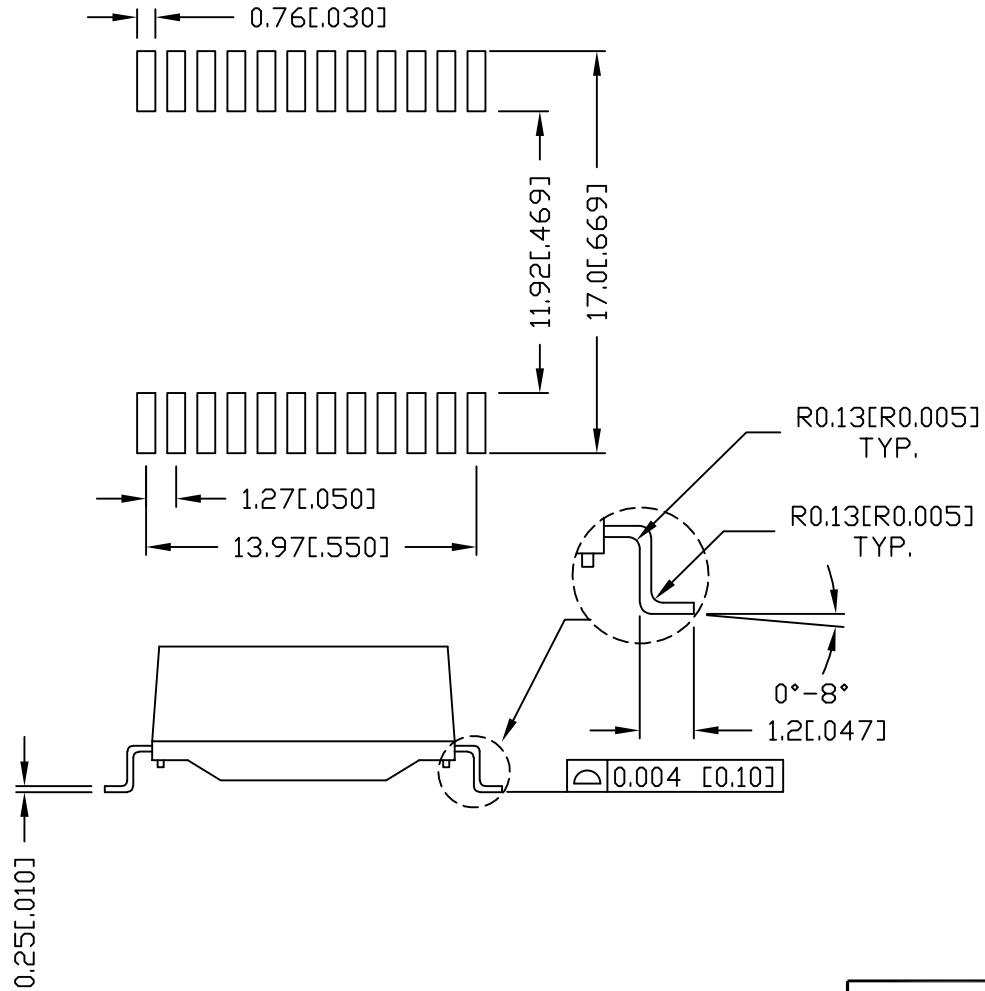
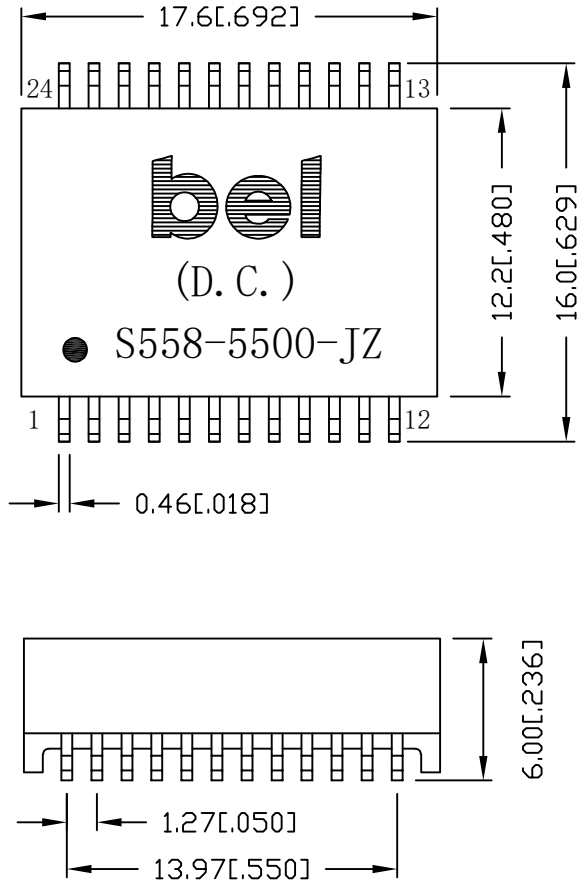
-40°C~+85°C

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.	REV. : A/2	PAGE : 1
yan bin zhang	2025-8-19	Electrical specification 1000BT module	S558-5500-JZ	TOL. IN INCH	UNIT : mm [INCH]	 POWER PROTECT CONNECT	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A		
ya chen zhou	2025-8-19		S558-5500-JZ_A.DWG	.XX	SIZE : A4		
				.XXX			

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SUGGESTED PCB PAD LAYOUT



ORIGINATED BY	DATE
yan bin zhang	2025-8-19
DRAWN BY	DATE
ya chen zhou	2025-8-19

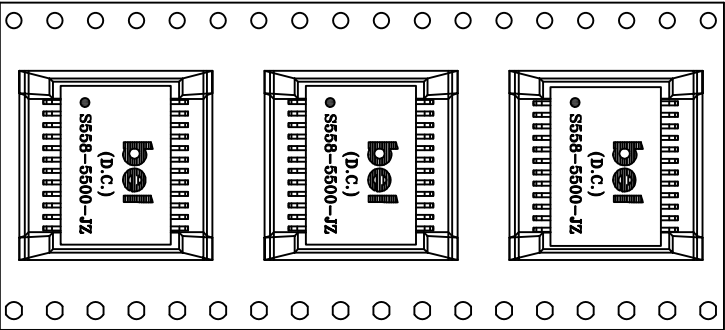
TITLE
Mechanical specification
1000BT module

PART NO. / DRAWING NO.
S558-5500-JZ
FILE NAME
S558-5500-JZ_A.DWG

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

REV. : A/2	PAGE : 2
 POWER PROTECT CONNECT	

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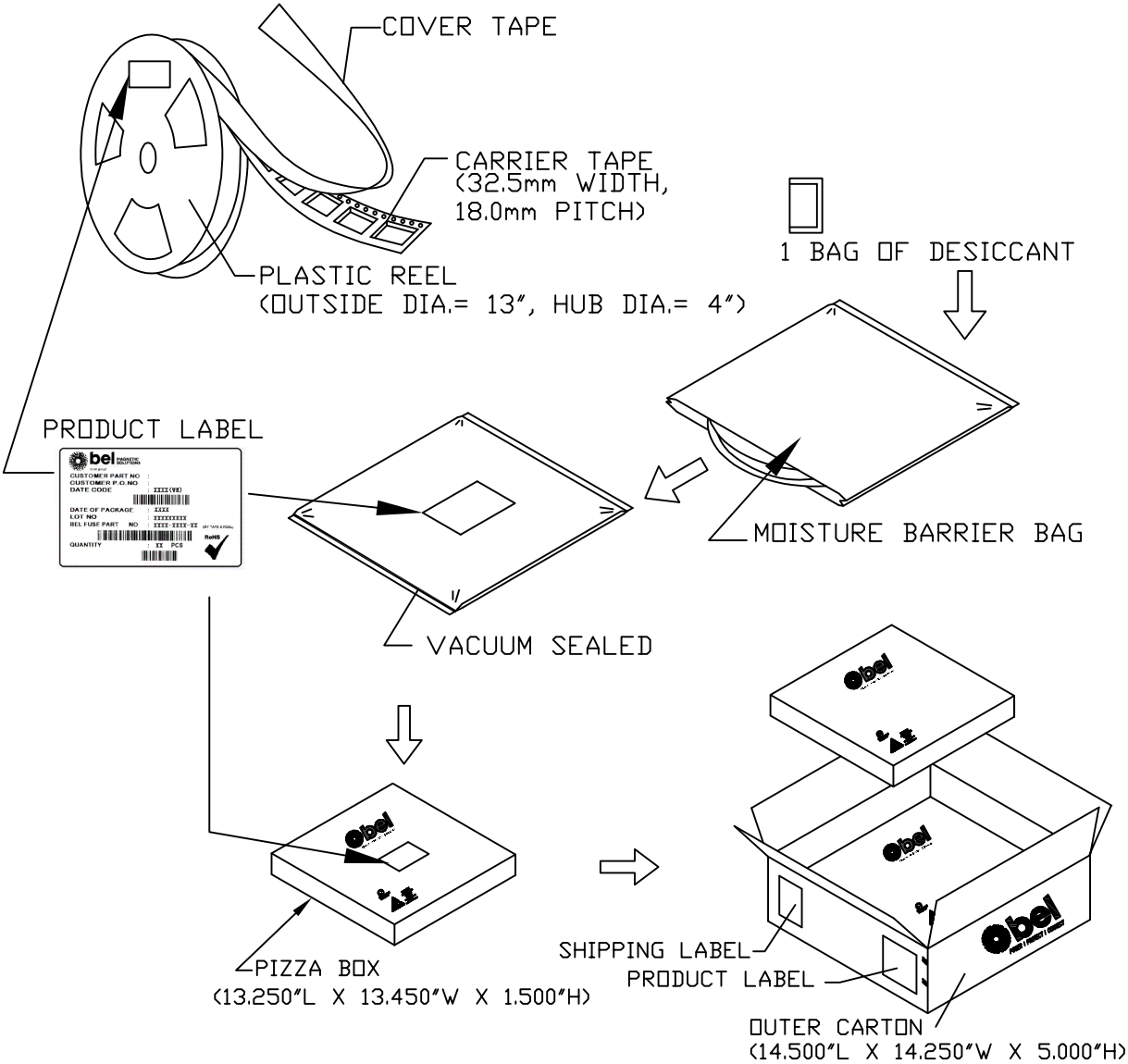


USER FEED DIRECTION

ORIENTATION OF COMPONENT INSIDE POCKET

TAPE WIDTH	32.5MM
POCKET PITCH	18MM
QUANTITY OF COMPONENTS PER REEL	400
PLASTIC REEL OUTER DIAMETER	13 INCHES
PLASTIC REEL HUB DIAMETER	4 INCHES
COMPLY WITH EIA-481-E	

- NOTES:
1. HUMIDITY SENSITIVITY LEVEL:FOR PRODUCTS ACCORDING TO MSL1 CONTROL.
 2. 2 Reels per carton.



ORIGINATED BY	DATE	TITLE PACKING SPECIFICATION FOR S558-5500-JZ	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REF.	
yan bing zhang	2025-8-19		S558-5500-JZ	TOL. IN INCH		UNIT : mm [INCH]	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	
ya cheng zhou	2025-8-19		S558-5500-JZ_A.DWG	.XX		 SIZE : A4	
			.XXX				

REV. : A/2PAGE : 3


POWER | PROTECT | CONNECT