Elec & Eltek依利安達
E & E Magnetic Products Limited

100BASE-T DUAL PORT MAGNETIC MODULE

- Compliant with IEEE802.3 standard including 350uH OCL with 8mA DC Bias
- Operating temperature 0°C to +70°C
- RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

Part Number	PoE	Insertion Loss (dB Max)	Return Loss (dB Min)				CMRR (dB Min)		Crosstalk (dB Min)				Hipot (Vrms)
		0.1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	1-60MHz	60-200MHz	1MHz	30MHz	60MHz	100MHz	
824-C0256F	No	1.0	18	14.4	13.1	12	37	25	55	45	40	33	1500
		0.1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	0.1-100MHz		0.1-100MHz				
824-00428F	Yes	1.2	18	15.5	13.6	12	33		33				1500
		0.1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	
824-00429R[1]	Yes	1.2	16	14	13	12	40	35	30	43	37	33	1500

Notes: 1. CMRR is only for TX channels.

ELECTRICAL SPECIFICATION @ 25°C

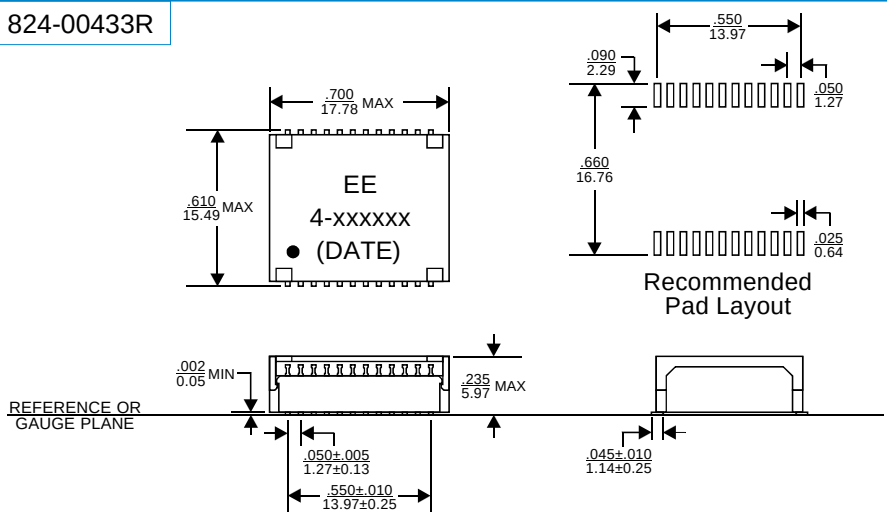
Part Number	PoE	Insertion Loss (dB Max)	Return Loss (dB Min)				DM-CMRR (dB Min)			Crosstalk (dB Min)			Hipot (Vrms)
		1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	
824-00417R	Yes	1.2	16	14	13	12	43	37	33	43	37	33	1500

ELECTRICAL SPECIFICATION @ 25°C

Part Number	PoE	Insertion Loss (dB Max)	Return Loss (dB Min)				CMRR (dB Typ)	Crosstalk (dB Typ)	Hipot (Vrms)
		0.1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	0.1-100MHz	0.1-100MHz	
824-00433R	Yes	1.2	18	15.5	13.6	12	40	40	1500

MECHANICAL DIMENSIONS

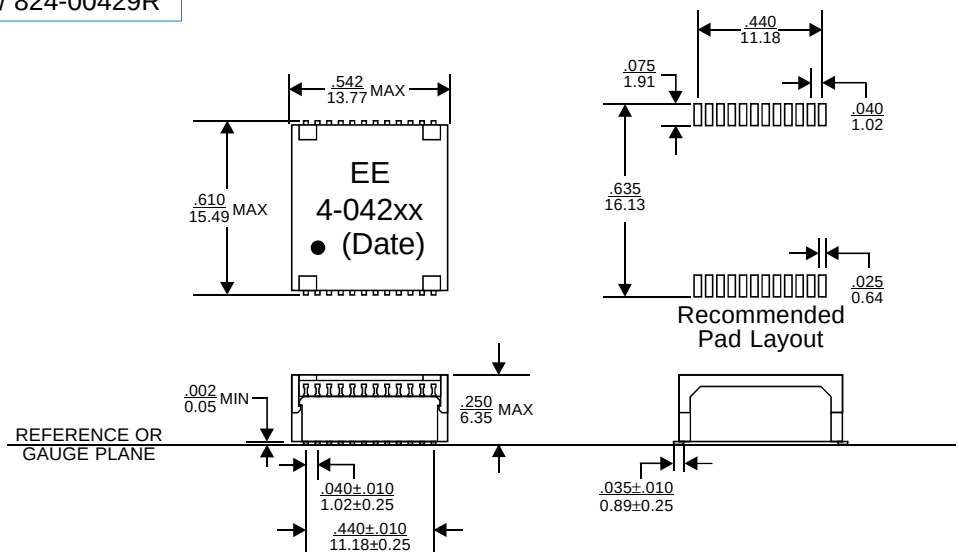
824-C0256F / 824-00433R



1/F., Harbour View 1, No.12 Science Park East Avenue, Phase II, Hong Kong Science Park, Shatin, N.T. Hong Kong
Tel: (852) 2954 3333 • Fax: (852) 2954 3304

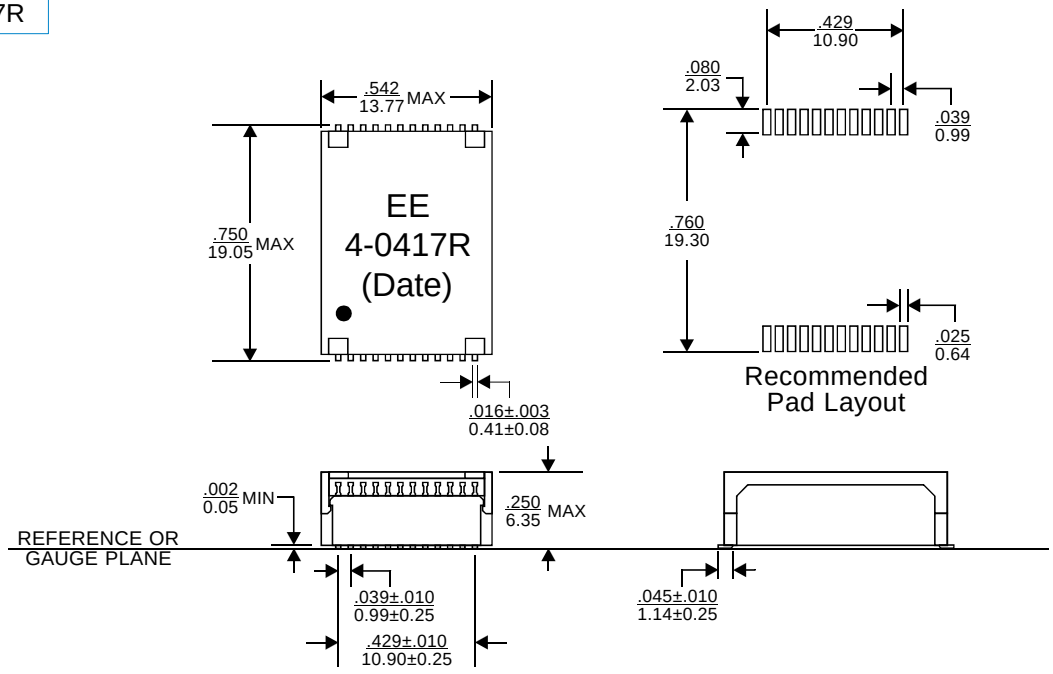
MECHANICAL DIMENSIONS

824-00428F / 824-00429R



MECHANICAL DIMENSIONS

824-00417R



Notes:

2. Dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.

3. Unless otherwise specified, all tolerance are $\pm \frac{.010}{0.25}$.

4. Coplanarity: $\frac{.004}{0.10}$ max.

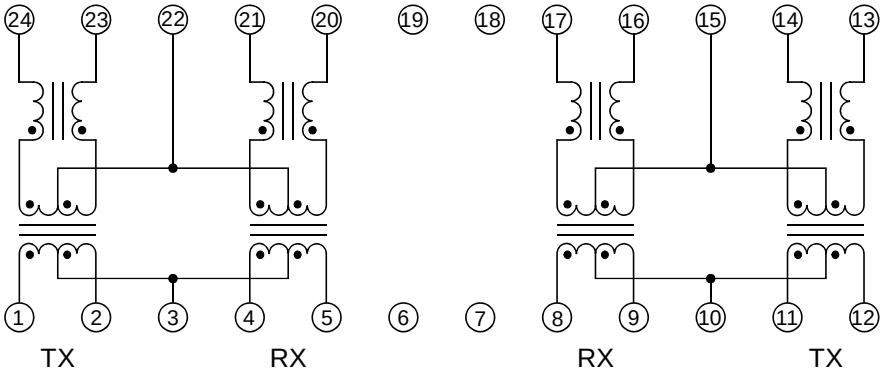
5. "(DATE)" includes at least the manufacturing date code(in YYWW format) plus two character country code.

6. When ordering, please add suffix “T” to the part number for tape & reel packaging (330mm reel).

SCHEMATICS

824-C0256F

LINE SIDE (Secondary)

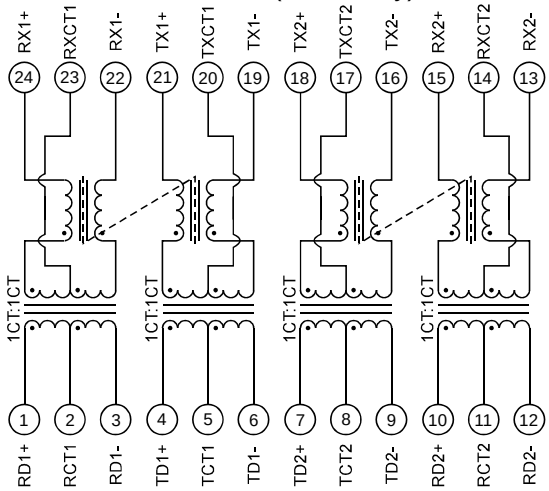


CHIP SIDE (Primary)

SCHEMATICS

824-00428F

LINE SIDE (Secondary)

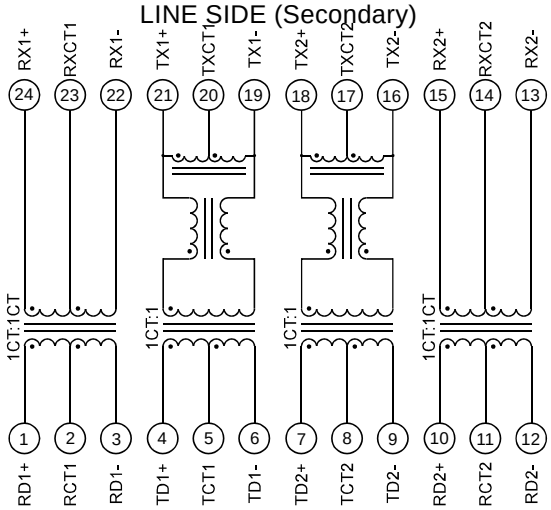


CHIP SIDE (Primary)

SCHEMATICS

824-00429R

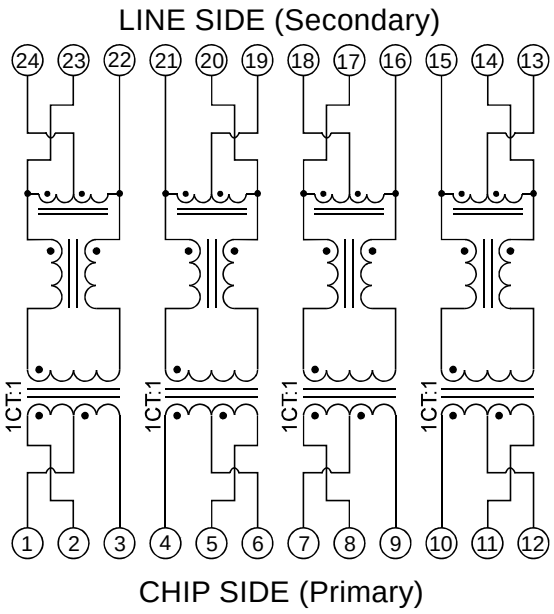
LINE SIDE (Secondary)



CHIP SIDE (Primary)

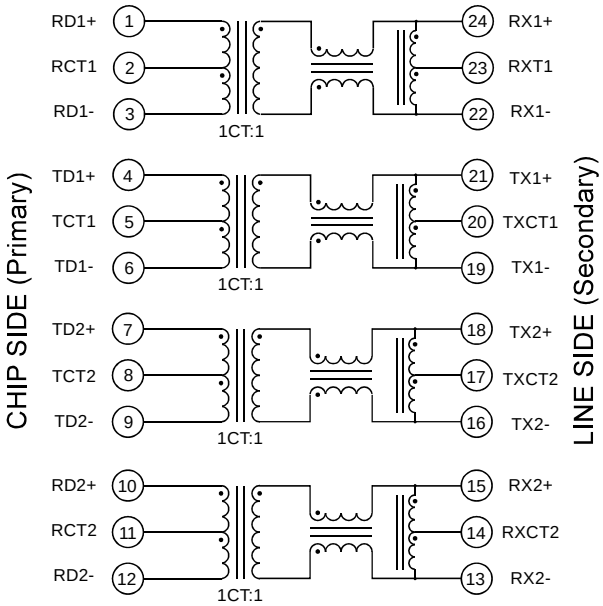
SCHEMATICS

824-00433R



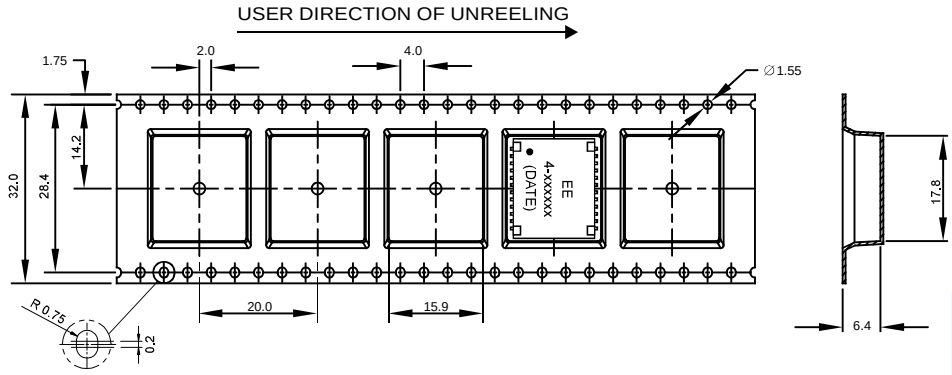
SCHEMATICS

824-00417R



PACKAGING

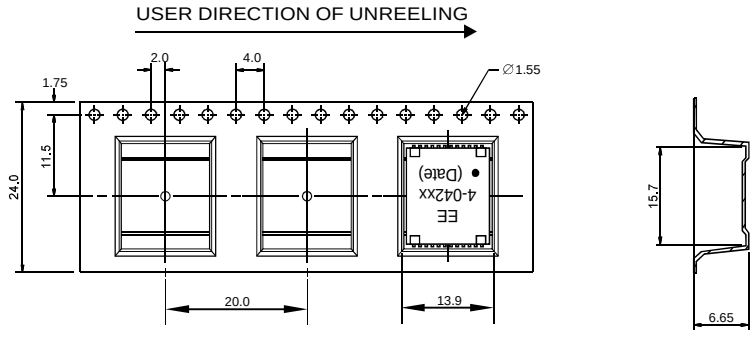
824-C0256F / 824-00433R



Weight (in gram) : 1.7 typ.
Tape & Reel : 450 / reel

PACKAGING

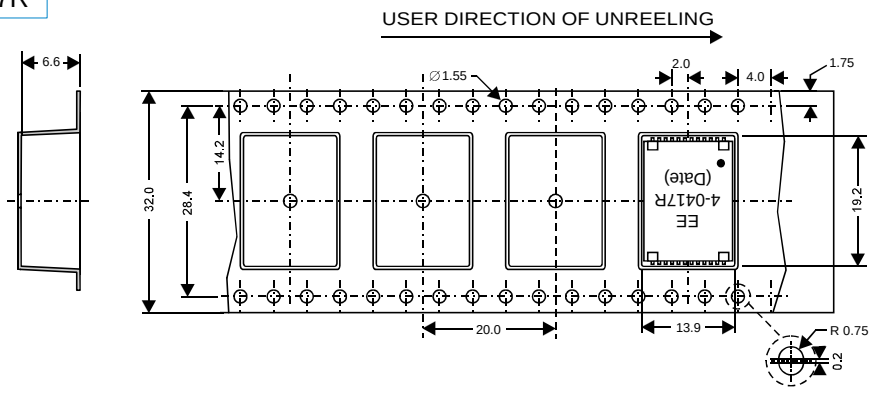
824-00428F / 824-00429R



Weight (in gram) : 1.8 typ.
Tape & Reel : 450 / reel

PACKAGING

824-00417R



Weight (in gram) : 1.9 typ.
Tape & Reel : 450 / reel

FOR MORE INFORMATION, PLEASE CONTACT

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