




-  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)
		1-100MHz	100-125MHz	30MHz	60MHz	80MHz	100MHz	1-100MHz	30MHz	60MHz	100MHz	
824-00412R	Yes	1.1	2.0	18	12	12	10	-	43	37	33	1500
		0.1-100MHz		1-30MHz	40MHz	50MHz	60-80MHz	0.1-100MHz	30MHz	60MHz	100MHz	
824-00423F	No	1.0		16	14.4	13.1	12	35	43.5	37.5	33	1500
824-00430R	No	1.0		16	14.4	13.1	12	35	43.5	37.5	33	1500
824-00431F	No	1.0		16	14.4	13.1	12	35	45	40	35	1500
824-00432R	No	1.0		16	14.4	13.1	12	35	45	40	35	1500
824-00434R ¹	No	1.0		16	14.4	13.1	12	35	43.5	37.5	33	1500
		1-100MHz	100-125MHz	1-40MHz		40-100MHz		1-100MHz	1-100MHz			
824-00457R ¹	No	1.0	1.5	18		12-20Log(F/80)		30	33			1500

ELECTRICAL SPECIFICATION @ 25°C

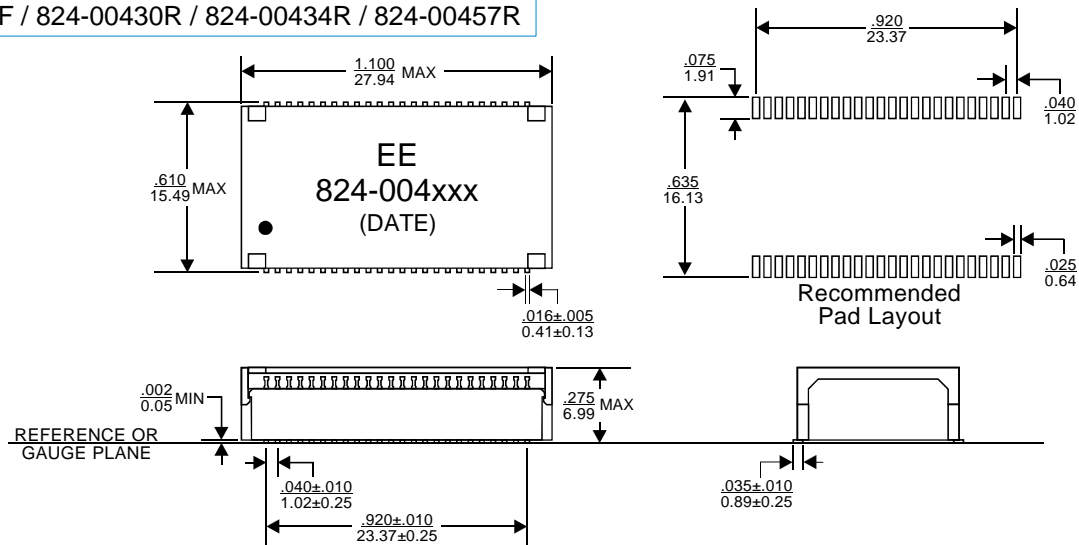
Part Number	PoE	Insertion Loss (dB Max)		Return Loss (dB Min)				CMRR (dB Typ)	Crosstalk (dB Typ)			Hipot (Vrms)
		1-100MHz		1-40MHz	60MHz	80MHz	100MHz	1-100MHz	30MHz	60MHz	100MHz	
824-00461R	No	1.1		18	14	12	10	40	43.5	37.5	33	1500

Notes:

1. Operating temperature range: -40°C to +85°C.
2. "F" represents the test frequency specified in MHz.

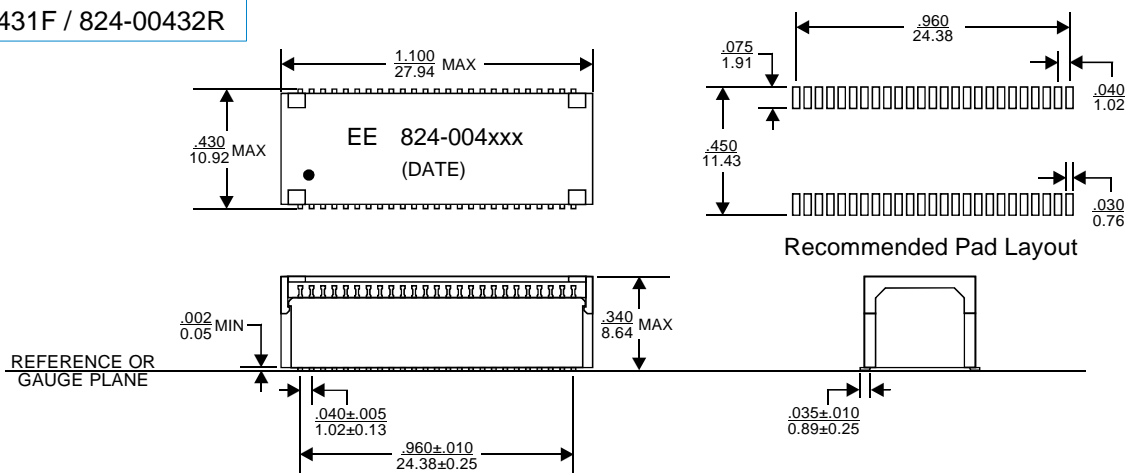
MECHANICAL DIMENSIONS

824-00423F / 824-00430R / 824-00434R / 824-00457R



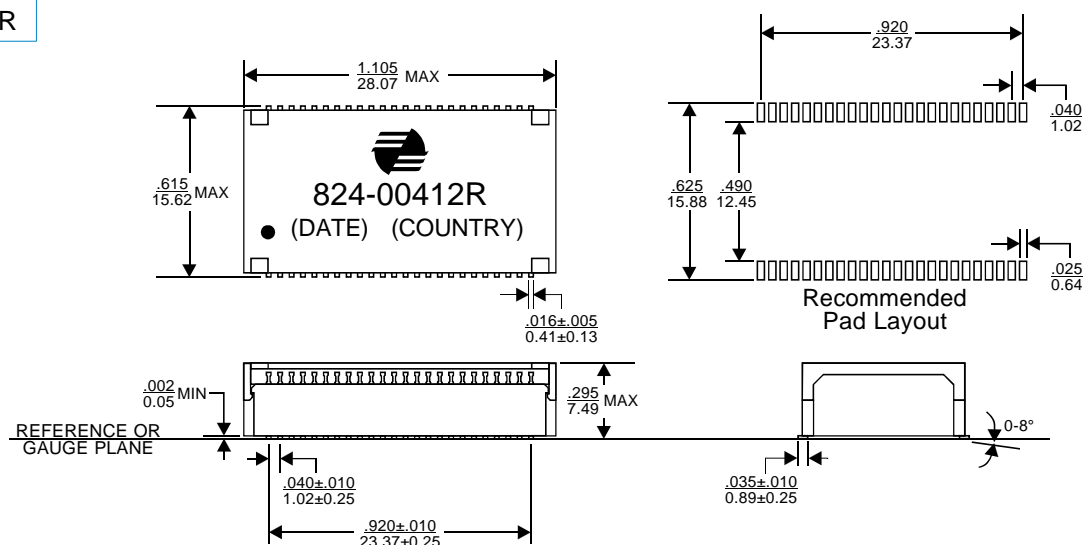
MECHANICAL DIMENSIONS

824-00431F / 824-00432R



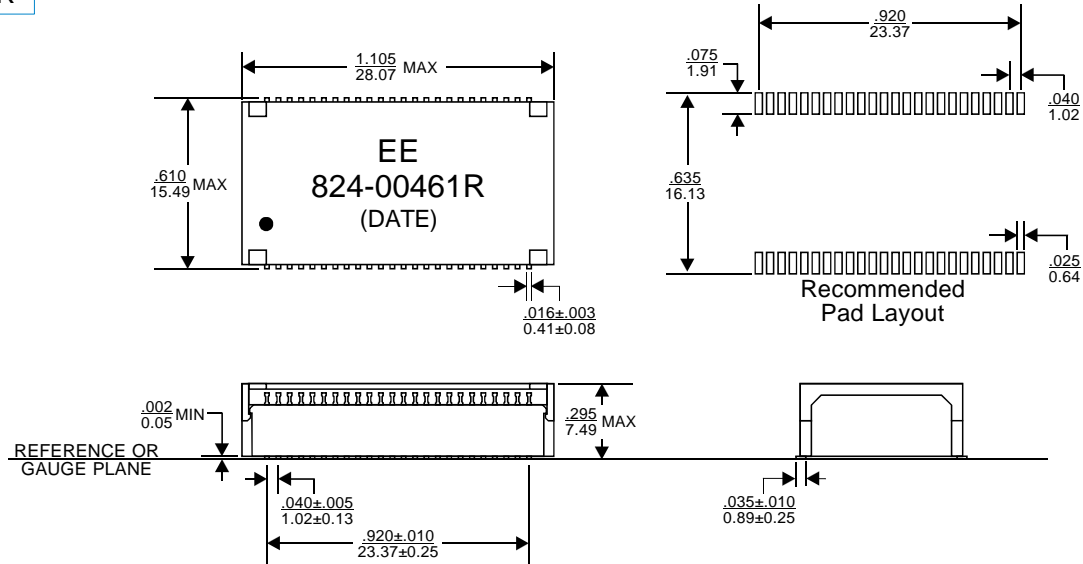
MECHANICAL DIMENSIONS

824-00412R



MECHANICAL DIMENSIONS

824-00461R

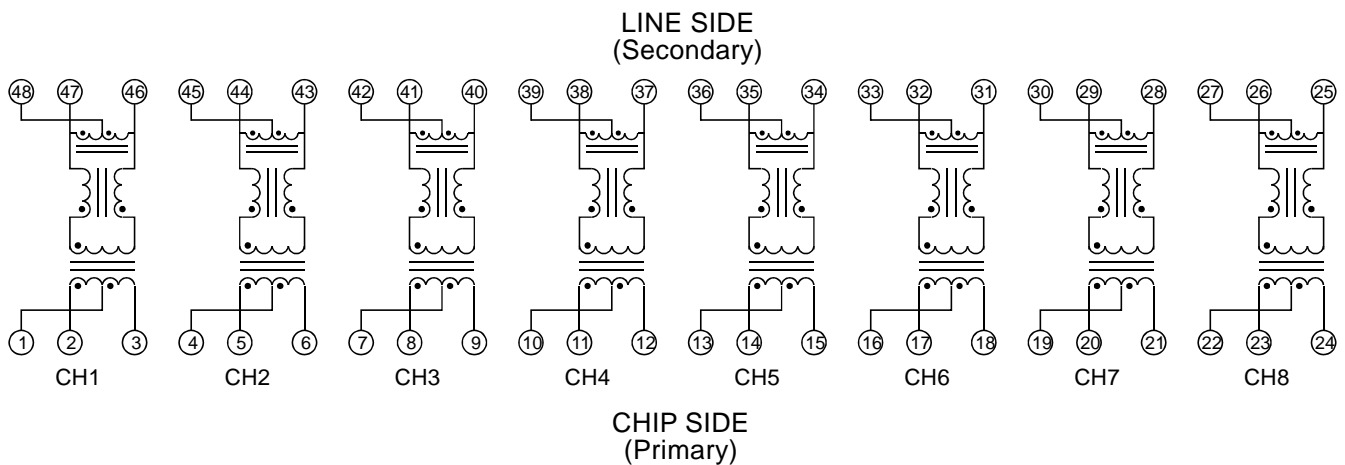


Notes:

3. Dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.
4. Unless otherwise specified, all tolerance are $\pm \frac{.010}{0.25}$.
5. Coplanarity: $\frac{.004}{0.10}$ max.
6. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two character country code.
7. When ordering, please add suffix "T" to the part number for tape & reel packaging (330mm reel).

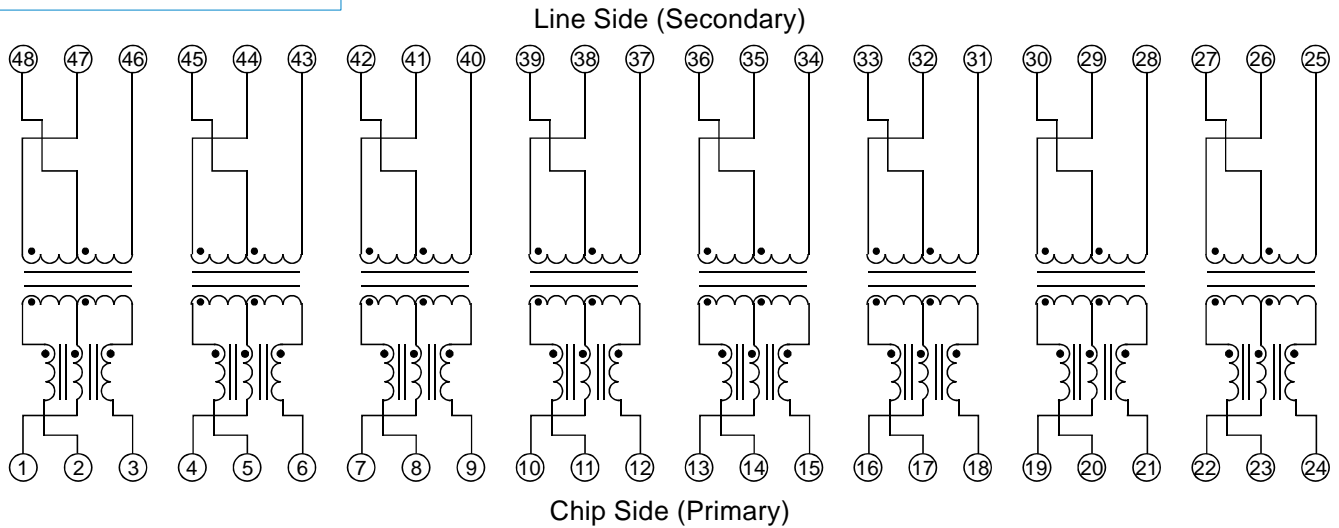
SCHEMATICS

824-00430R / 824-00434R / 824-00461R



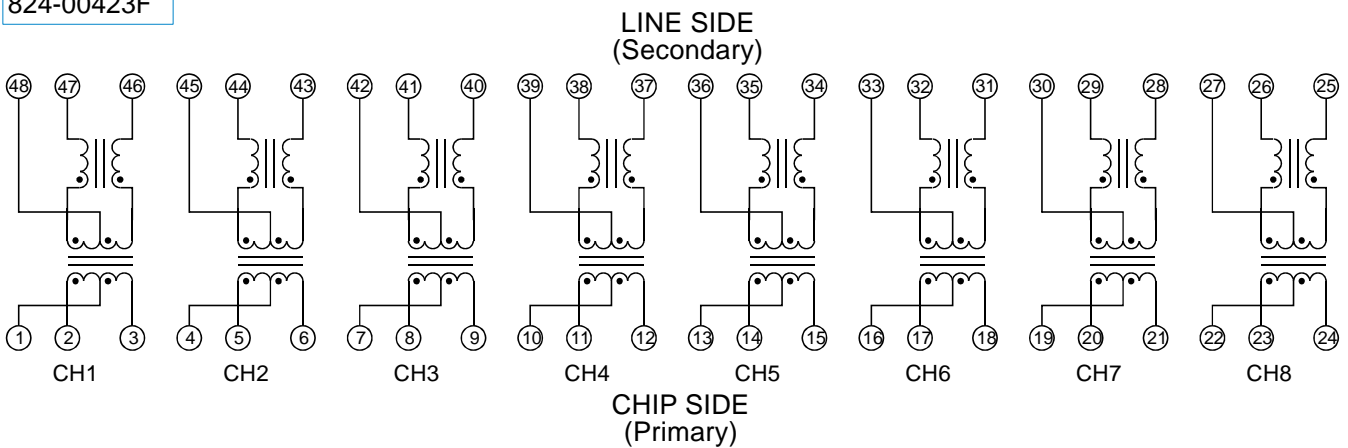
SCHEMATICS

824-00412R / 824-00457R



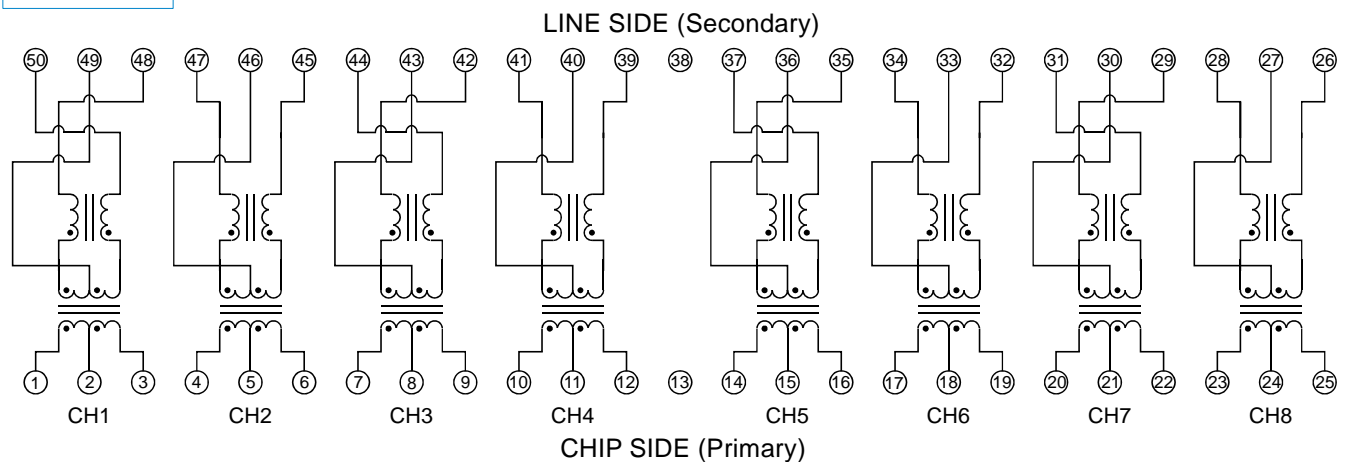
SCHEMATICS

824-00423F



SCHEMATICS

824-00431F

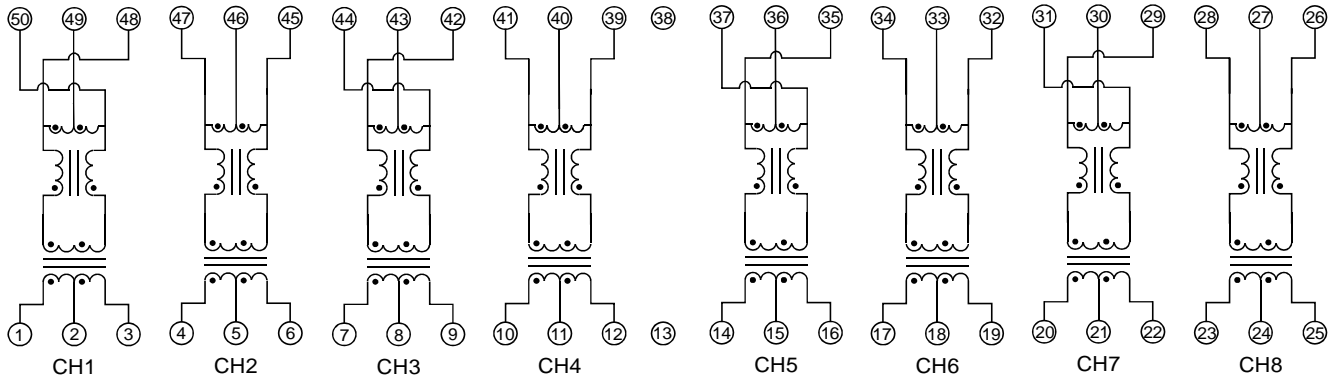




SCHEMATICS

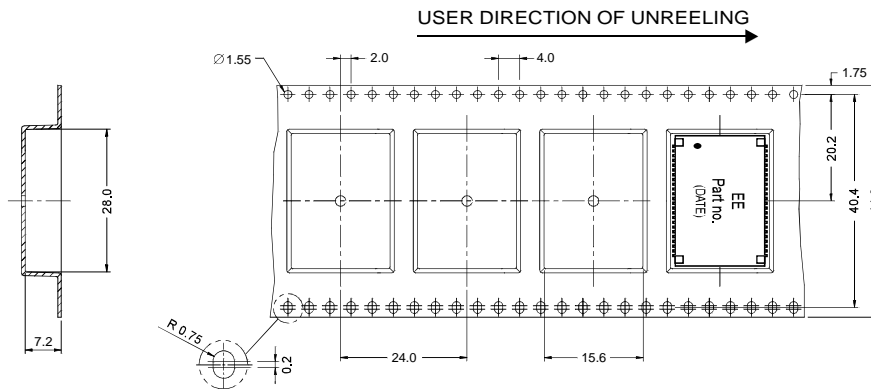
824-00432R

LINE SIDE (Secondary)



PACKAGING

824-00412R / 824-00423F / 824-00430R / 824-00434R / 824-00457R / 824-00461R

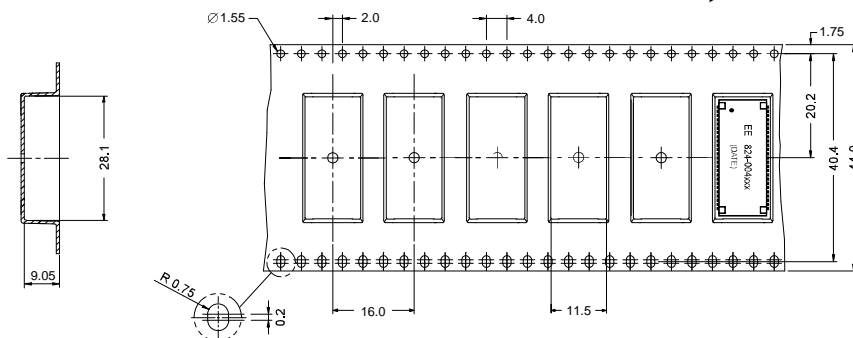


Weight (in gram) : 4.0 typ.
Tape & Reel : 300 / reel

PACKAGING

824-00431F / 824-00432R

USER DIRECTION OF UNREELING



Weight (in gram) : 3.5 typ.
Tape & Reel : 450 / reel

FOR MORE INFORMATION, PLEASE CONTACT

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