



-  Compliant with IEEE802.3 standard including 350uH OCL with 8mA DC bias
-  Enhanced crosstalk and return loss performance
-  Support 4 pairs of Category 5 UTP cable with 1000Base-T full duplex applications
-  Designed to withstand IR-Reflow with peak temperature per IPC/JEDEC J-STD-020C
-  Operating temperature 0°C to +70°C.
-  Some models are UL60950 recognized
-  RoHS compliant versions are available



ELECTRICAL SPECIFICATION @ 25°C

Part Number	RoHS Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				CMRR (dB Min)	Crosstalk (dB Min)			Hipot (Vrms)
			.1-100MHz	.5-40MHz	60MHz	80MHz		.1-100MHz	30MHz	60MHz	100MHz
824-M0053	824-M0053R	1.0	18.0	14.5	12.0	10.0	30.0	45.0	40.0	35.0	1500
824-M0328 ¹	824-M0328R	1.0	18.0	14.5	12.0	10.0	33.0	33.0	33.0	33.0	1500
824-M0330	824-M0330R	1.0	18.0	14.5	12.0	10.0	30.0	43.5	37.5	33.0	1500
824-M0332 ¹	824-M0332R	1.0	18.0	14.5	12.0	10.0	30.0	43.5	37.5	33.0	1500
		.1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	.1-100MHz	30MHz	80MHz	100MHz	
824-M0060	824-M0060R	1.0	18.0	14.5	13.1	12.0	35.0	45.0	40.0	35.0	1500
824-M0160 ¹	824-M0160R	1.0	18.0	14.5	13.1	12.0	35.0	45.0	40.0	35.0	1500

ELECTRICAL SPECIFICATION @ 25°C

Part Number	RoHS Part Number	Insertion Loss (dB Max)	Return Loss (dB Typ)					Crosstalk (dB Typ)	Hipot (Vrms)
			.1-100MHz	1-40MHz	50MHz	60MHz	80MHz	100MHz	.1-100MHz
824-M0308	824-M0308R	1.0	18.0	16.1	14.5	12.0	10.0	35.0	1500

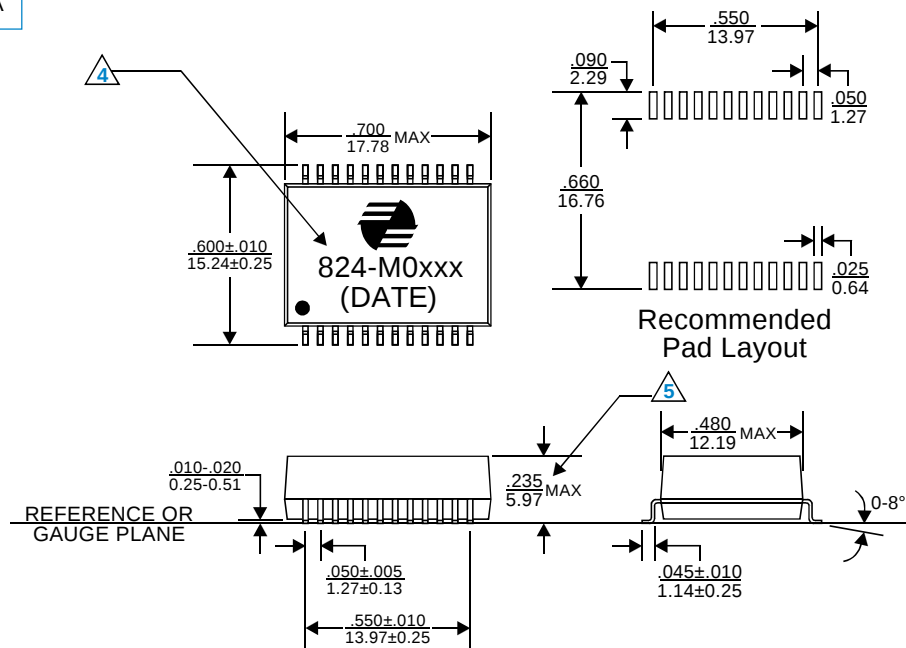
Notes:

1. Operating temperature -40°C to +85°C.



MECHANICAL DIMENSIONS

Package: SO024A



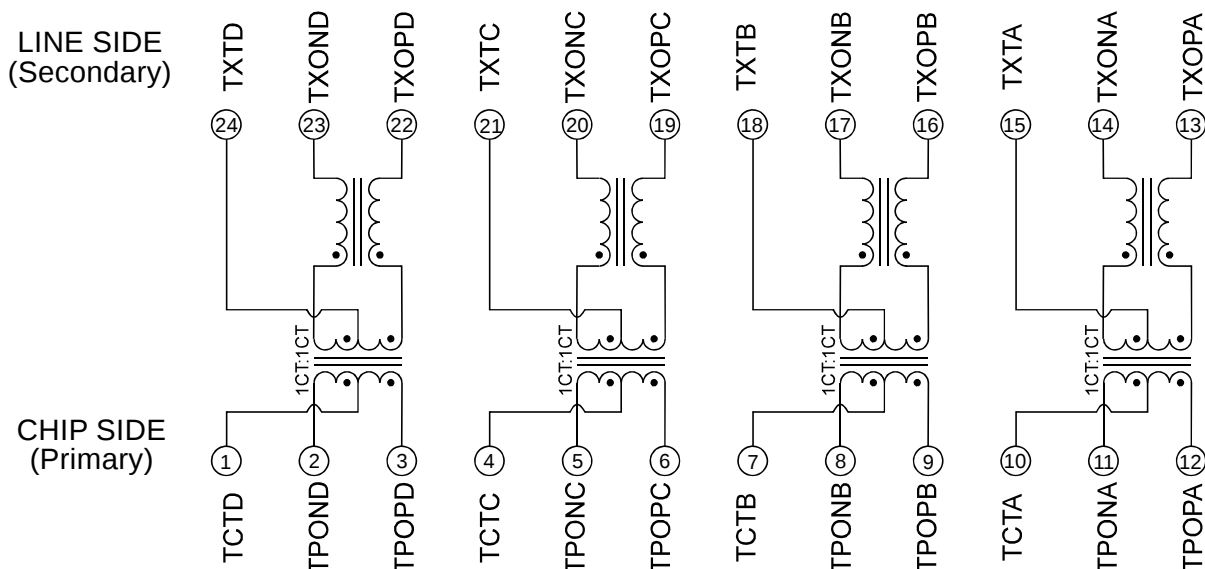
Notes:

2. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.
3. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
4. For available RoHS part number, the part will be marked with "824-M0xxxR", instead of "824-M0xxx".
5. For part number 824-M0328, the height will be .300 inch maximum, instead of .235 inch maximum.

Weight (in gram)	: 2.4 typ.
Tape & Reel	: 450 / reel

SCHEMATICS

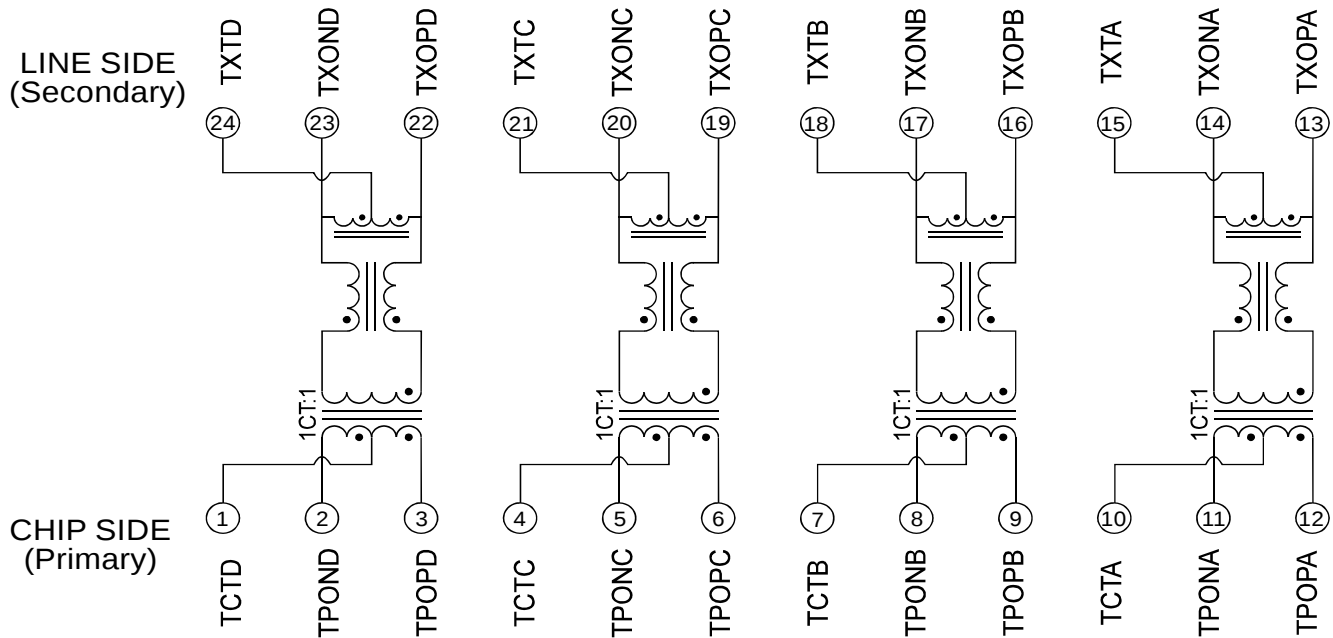
824-M0053 / 824-M0160





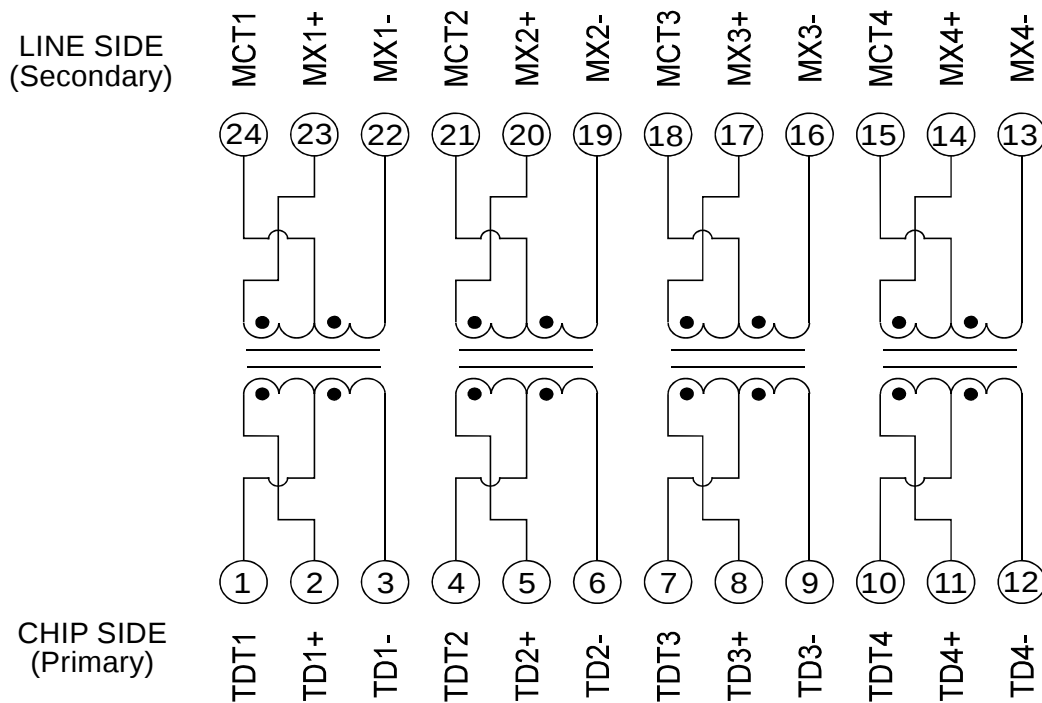
SCHEMATICS

824-M0060 / 824-M0328



SCHEMATICS

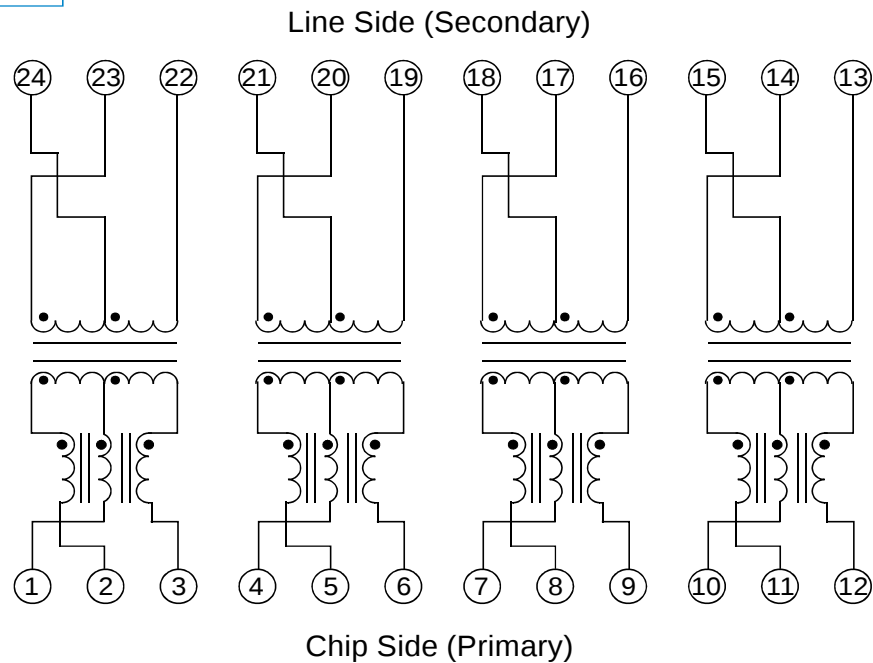
824-M0308





SCHEMATICS

824-M0330 / 824-M0332



FOR MORE INFORMATION, PLEASE CONTACT

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