








-  Compliant with IEEE802.3af standard including 350uH OCL with 8mA DC Bias
-  Suitable for Mid-span or End-span PoE applications
-  Dual port design for IP phone or IP switch applications
-  350 mA balanced DC line current capability
-  Designed to withstand IR-Reflow with peak temperature per IPC/JEDEC J-STD-020C
-  Operating temperature 0°C to +70°C
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

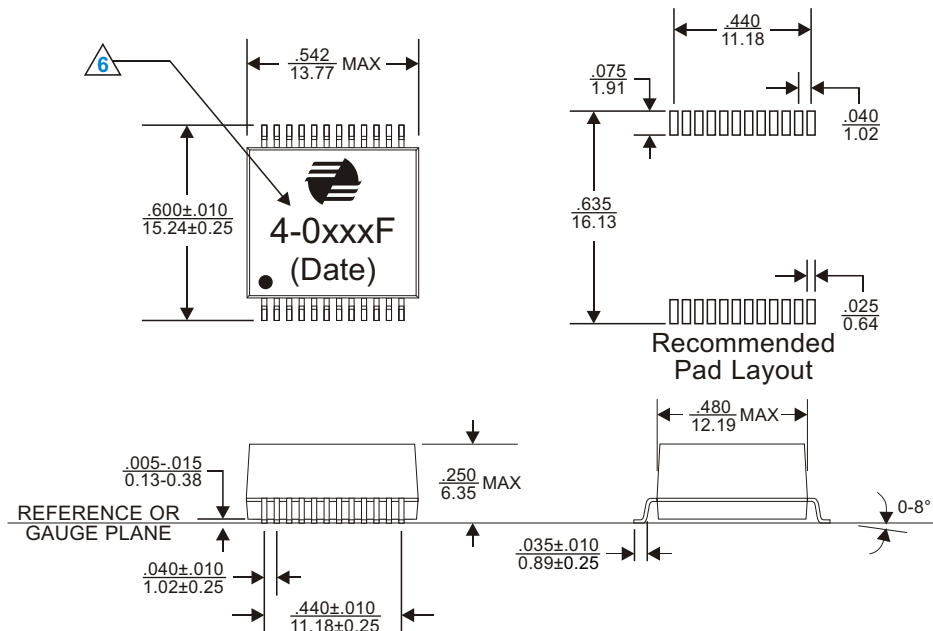
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				CMRR ³ (dB Min)	Crosstalk (dB Min)	Hipot (Vrms)
		.1-100MHz	1-30MHz	40MHz	50MHz			
824-00101F ¹	1.2	18.0	15.5	13.6	12.0	33.0	33.0	1500
824-00103R	1.2	16.0	14.0	13.0	12.0	30.0	33.0	1500
824-00207F ^{1,2}	1.2	18.0	15.5	13.6	12.0	33.0	33.0	1500

Notes:

1. Suitable for Auto MDI/MDIX applications.
2. Operating temperature -40°C to +85°C.
3. For 824-00103, CMRR is for transmit channels only.

MECHANICAL DIMENSIONS

Package: SO024C



Notes:

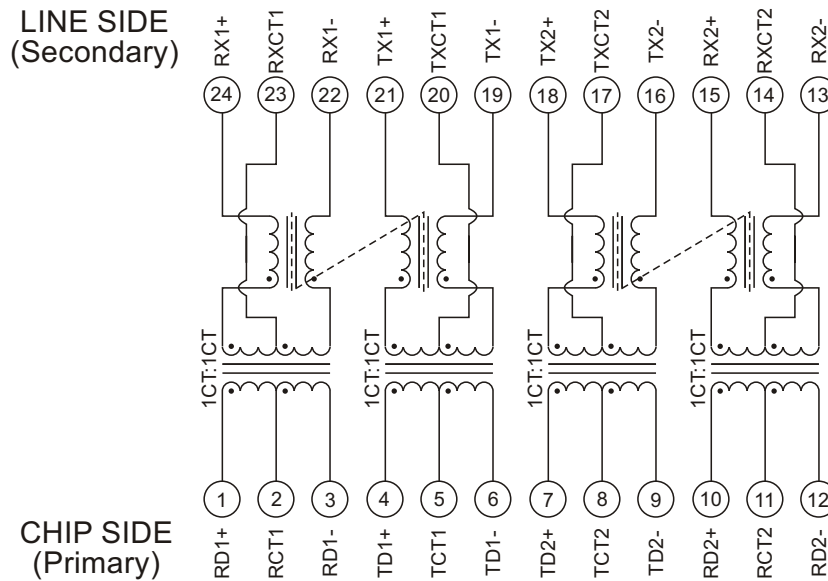
4. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.
5. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
6. For 824-00103 RoHS version, the part will be marked with "4-0103R", instead of "4-0103".

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



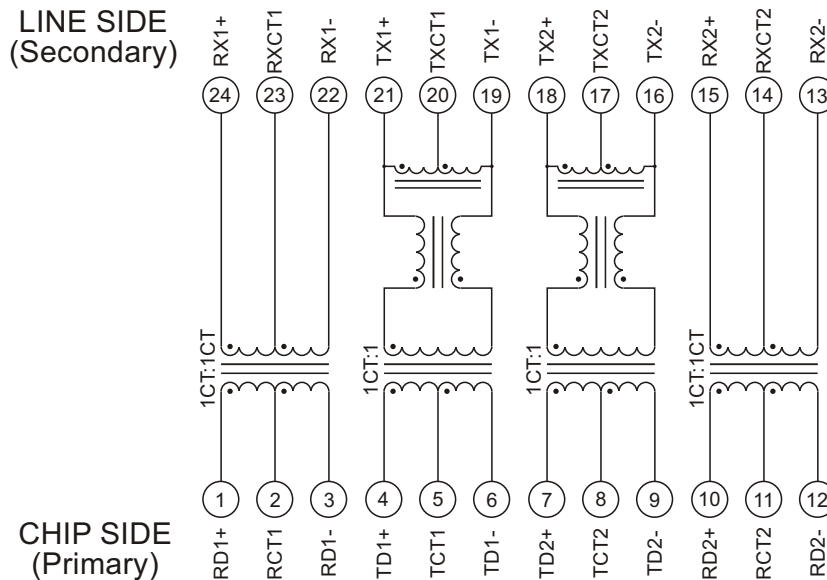
SCHEMATICS

824-00101F / 824-00207R



SCHEMATICS

824-00103F



FOR MORE INFORMATION, PLEASE CONTACT

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