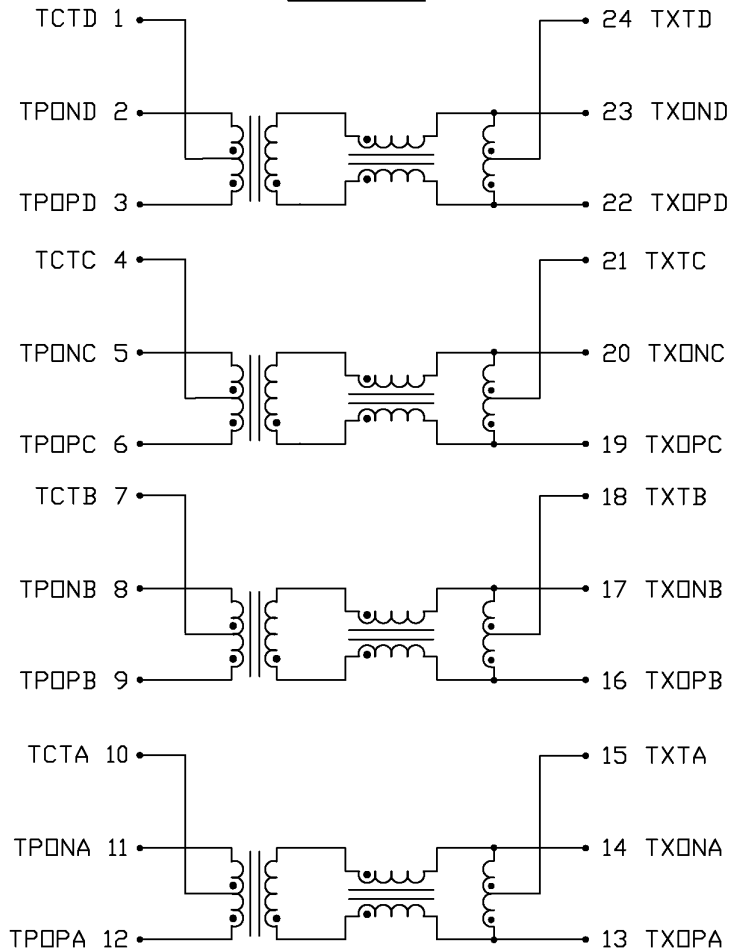


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ELECTRICAL CHARACTERISTICS

SCHEMATIC



TURNS RATIO
 PINK(3-1-2) : (22-24-23) 1CT : 1CT
 PINK(6-4-5) : (19-21-20) 1CT : 1CT
 PINK(9-7-8) : (16-18-17) 1CT : 1CT
 PINK(12-10-11) : (13-15-14) 1CT : 1CT

OCL 350μH MIN. AT 100kHz, 100mV
 -40°C TO +85°C WITH 8mA DC BIAS

INSERTION LOSS
 1.1dB MAX. @ 0.1 MHz
 0.5dB MAX. @ 1 MHz
 0.8dB MAX. @ 65 MHz
 1.0dB MAX. @ 100 MHz
 1.5dB MAX. @ 125 MHz

RETURN LOSS 18dB MIN. @ 0.5 TO 40 MHz
 UNDER 100 OHMS 12-20LOG (f/80 MHz) dBMIN.
 ±15% ENVIRONMENT @ 40 TO 100 MHz

COMMON TO COMMON REJECTION 30dB MIN. @ 0.1 TO 100 MHz

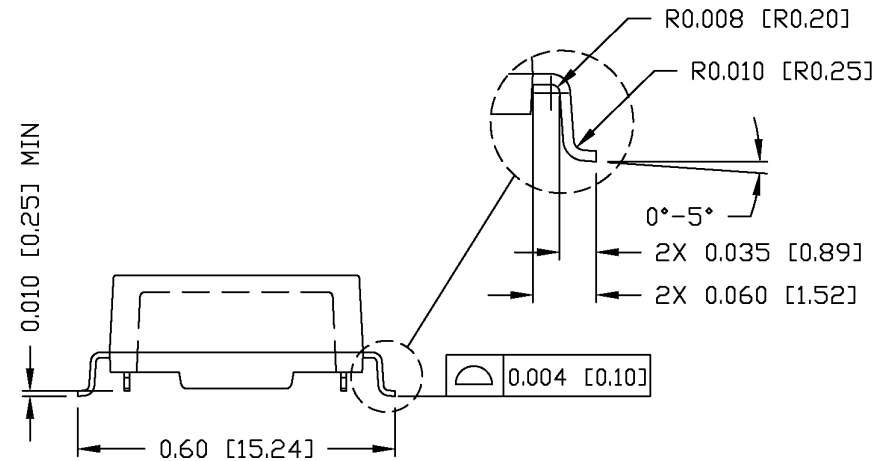
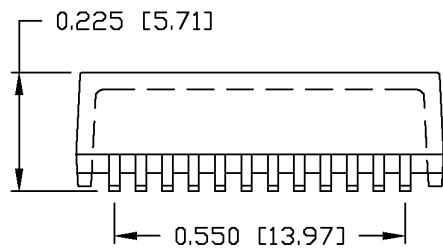
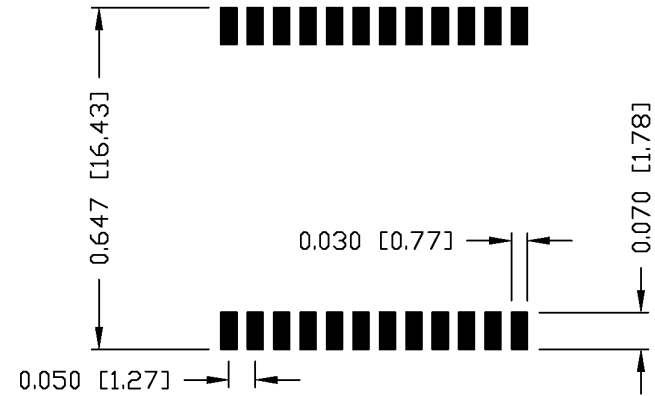
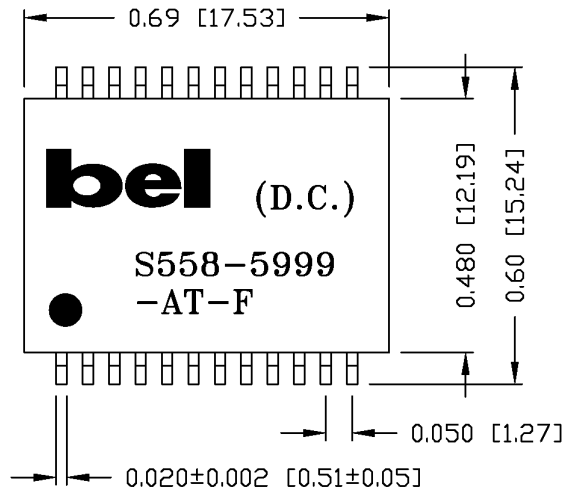
CROSSTALK @ 1-100 MHz
 33-20LOG (f/100 MHz) dB MIN.

HIPOT PER HAND-WORK-03

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANET
HQ	04-12-06	1000BASE-T MAGNETIC MODULES S558-5999-AT-F	X5585999AT-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4	
DQ Chen	04-12-06		X5585999ATFA.DWG	.XX	PAGE : 2	
				.XXX		

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SUGGESTED PCB PAD LAYOUT



NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "RQS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANET	
Lawrence	04-12-06	MECHANICAL DRAWING S558-5999-AT-F	X5585999AT-F	.X	UNIT : INCH [mm]		REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A		SIZE : A4
DQ Chen	04-12-06		X5585999ATFA.DWG	.XXX	±0.01		PAGE : 3
					±0.005		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[S558-5999-AT-F](#)