

Excellent Integrated System Limited

Stocking Distributor

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[Bel Fuse Inc.](#)
[S558-5999-G8-F](#)

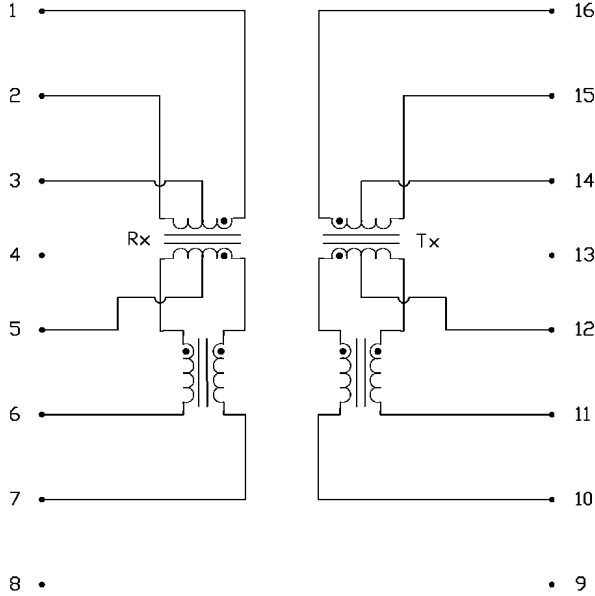
For any questions, you can email us directly:
sales@integrated-circuit.com

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ELECTRICAL CHARACTERISTICS @25°C



SCHEMATIC



TURNS RATIO Rx (1-3-2) : (7-5-6) Tx (16-14-15) : (10-12-11)	1CT : 1CT 1CT : 1.414CT														
PHASING OCL PIN(1-2) & (10-11)	1 TO 7 AND 16 TO 10 PER DOT CONVENTION 350uH MIN. AT 100kHz 100mV WITH 8mA DC BIAS														
INSERTION LOSS RETURN LOSS MEASURED UNDER A 100 Ω ENVIRONMENT	1.2dB MAX. AT 100kHz TO 100MHz <table border="1"> <tr> <td>FREQ. (MHz)</td> <td>1</td> <td>10</td> <td>30</td> <td>60</td> <td>80</td> <td>100</td> </tr> <tr> <td>dB MIN</td> <td>20</td> <td>20</td> <td>18</td> <td>14</td> <td>13</td> <td>10</td> </tr> </table>	FREQ. (MHz)	1	10	30	60	80	100	dB MIN	20	20	18	14	13	10
FREQ. (MHz)	1	10	30	60	80	100									
dB MIN	20	20	18	14	13	10									
COMMON TO DIFFERENTIAL MODE REJECTION	<table border="1"> <tr> <td>FREQ. (MHz)</td> <td>1</td> <td>10</td> <td>50</td> <td>100</td> <td>200</td> </tr> <tr> <td>dB MIN</td> <td>65</td> <td>50</td> <td>35</td> <td>25</td> <td>20</td> </tr> </table>	FREQ. (MHz)	1	10	50	100	200	dB MIN	65	50	35	25	20		
FREQ. (MHz)	1	10	50	100	200										
dB MIN	65	50	35	25	20										
CROSSTALK COMMON TO COMMON MODE REJECTION	30dB MIN. AT 100kHz TO 100MHz <table border="1"> <tr> <td>FREQ. (MHz)</td> <td>1</td> <td>10</td> <td>50</td> <td>100</td> <td>200</td> </tr> <tr> <td>dB MIN</td> <td>50</td> <td>30</td> <td>30</td> <td>20</td> <td>20</td> </tr> </table>	FREQ. (MHz)	1	10	50	100	200	dB MIN	50	30	30	20	20		
FREQ. (MHz)	1	10	50	100	200										
dB MIN	50	30	30	20	20										
HIPOT	PER HAND-WORK-03														

ORIGINATED BY	DATE
HD	02-22-06
DRAWN BY	DATE
DQ Chen	02-22-06

TITLE
10/100BT MAGNETICS INTERFACE MODULE S558-5999-G8-F

PART NO. / DRAWING NO.
X5585999G8-F
FILE NAME
X5585999G8FA.DWG

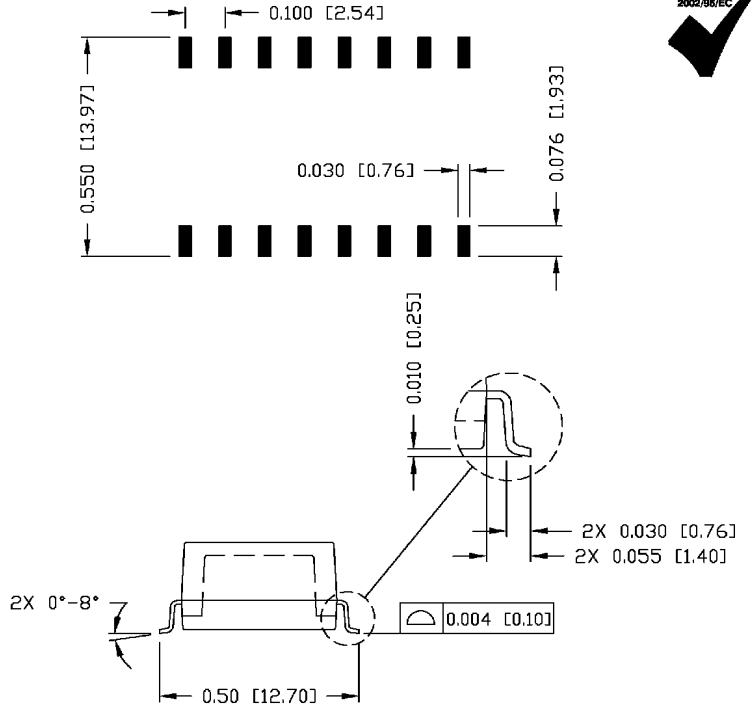
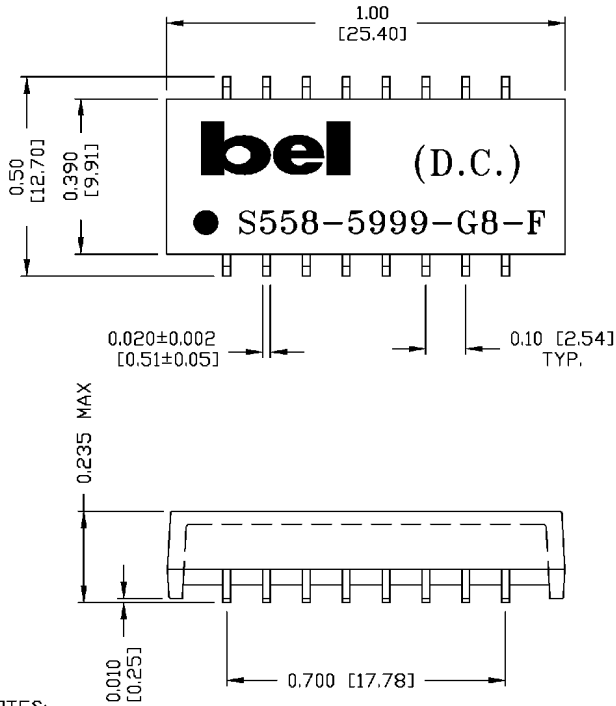
STANDARD DIM.	[] METRIC DIM. AS REFERENCE
TOL. IN INCH	UNIT : INCH [mm]
.X	SCALE : N/A
.XX	SIZE : A4
.XXX	PAGE : 2

REV. : A
SIZE : A4
PAGE : 2



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SUGGESTED PCB PAD LAYOUT



NOTES:

- STANDARD MARKING REFER TO DOC. HAND-WORK-04.
- PACKAGE CODE: "RNS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS OF A CONNECTED PLANET		
HO	05-23-06	MECHANICAL DRAWING S558-5999-G8-F	X5585999G8-F	TOL. IN INCH	UNIT : INCH [mm]		REV. : A	
DRAWN BY	DATE		FILE NAME	.X	±0.01		SCALE : N/A	SIZE : A4
DQ Chen	05-23-06		X5585999G8FA.DWG	.XX	±0.005			PAGE : 3
				.XXX				

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