



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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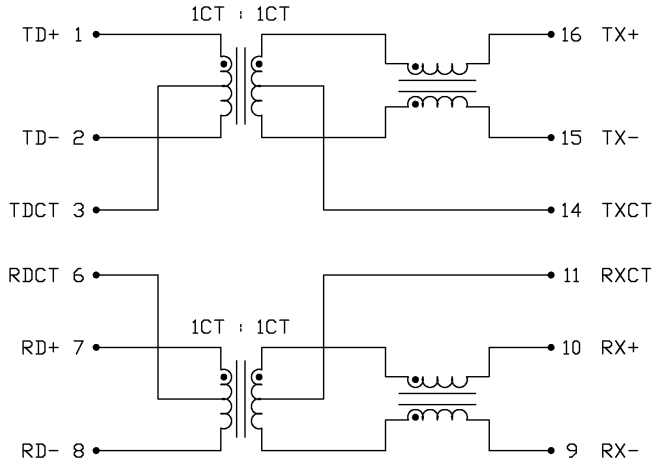
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SCHEMATIC



ELECTRICAL CHARACTERISTICS @ 25°C

<p> URNS RATIO Tx (16&14&15) : (1&3&2) Rx (7&6&8) : (10&11&9) </p>	<p> 1CT : 1CT 1CT : 1CT </p>
<p> PHASING DCL (-40°C - +85°C) WITH 8mA DC BIAS & 100mVrms @ 100kHz Rx (10&9) OPEN 7&8 Tx (16&15) OPEN 1&2 </p>	<p> 16 TO 1 ; 15 TO 2 10 TO 7 ; 9 TO 8 350µH MIN. 350µH MIN. </p>
<p> LEAKAGE INDUCTANCE, Le (-40°C - +85°C) MEASURED WIHT 100mVrms @ 1MHz Rx (10&9) WITH 7&8 SHORTED Tx (16&15) WITH 1&2 SHORTED </p>	<p> 0.4µH MAX. 0.4µH MAX. </p>
<p> INTERWINDING CAPACITANCE, Cw/w Rx (7&8 TO 10&9) Tx (1&2 TO 16&15) </p>	<p> 25pF MAX. 25pF MAX. </p>
<p> DCR WINDING RESISTANCE (1-2) ; (7-8) </p>	<p> 1.00HM MAX. </p>
<p> INSERTION LOSS @ 100kHz TO 80MHz </p>	<p> 1.0dB MAX. </p>
<p> RETURN LOSS (UNDER 100 ±15% ENVIRONMENT) @ 0.5 TO 30 MHz @ 30 TO 60 MHz @ 60 TO 80 MHz </p>	<p> 16dB MIN. 16-20 LOG (f/30MHz) 10dB MIN. </p>
<p> COMMON MODE TO COMMON MODE ATTENUATION @ 0.1 TO 80 MHz @ 80 TO 125 MHz @ 125 TO 250 MHz </p>	<p> 38dB MIN. 30dB MIN. 10dB MIN. </p>
<p> CROSS TALK @ 0.1 TO 80 MHz @ 80 TO 125 MHz @ 125 TO 250 MHz </p>	<p> 38dB MIN. 30dB MIN. 10dB MIN. </p>
<p> COMMON MODE TO DIFFERENTIAL MODE ATTENUATION @ 0.1 TO 80 MHz @ 80 TO 125 MHz @ 125 TO 250 MHz </p>	<p> 38dB MIN. 30dB MIN. 10dB MIN. </p>
<p> HIPDT </p>	<p> PER HAND-WORK-03 </p>

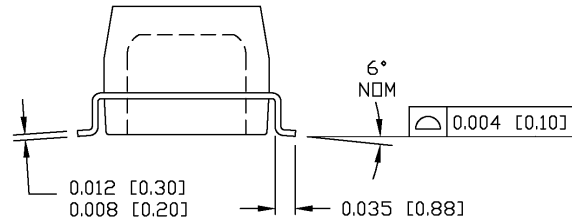
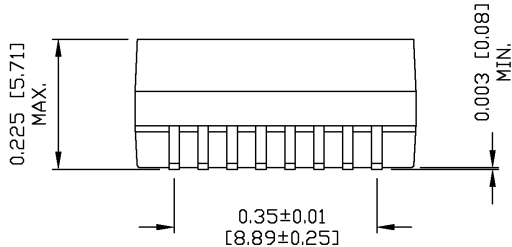
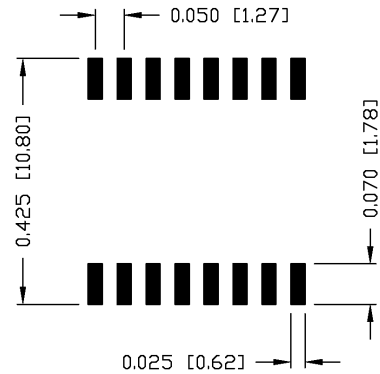
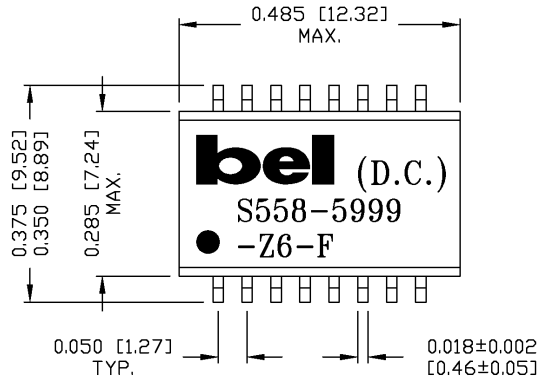
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
HQ	01-18-06	10/100BASE-T MODULE S558-5999-Z6-F	X5585999Z6-F	.X	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.XX ±0.01	SCALE : N/A
DQ Chen	01-18-06		X5585999Z6FA.DWG	.XXX ±0.005	REV. : A SIZE : A4 PAGE : 2



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SUGGESTED PCB PAD LAYOUT



NOTES:

- STANDARD MARKING REFER TO DOC. HAND-WORK-04.
- PACKAGE CODE: "QBS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
HQ	01-18-06	MECHANICAL DRAWING S558-5999-Z6-F	X5585999Z6-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX ±0.01	SCALE : N/A SIZE : A4
DQ Chen	01-18-06		X5585999Z6FA.DWG	.XXX ±0.005	PAGE : 3

