



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

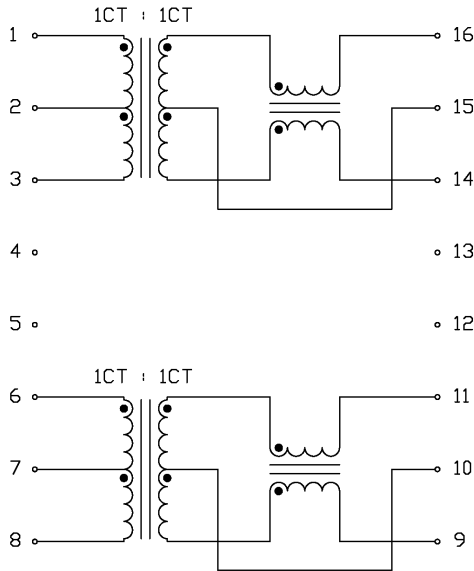


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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



URNS RATIO  
 Tx (1&2&3) : (16&15&14)  
 Rx (6&7&8) : (11&10&9)

1CT : 1CT  
 1CT : 1CT  
 16 TO 1 ; 14 TO 3  
 11 TO 6 ; 9 TO 8

PHASING

DCL (-40°C - 85°C)  
 Tx (16&14)  
 Rx (11&9)

@ 100kHz 100mVrms, w/8mA DC BIAS  
 350uH MIN.  
 350uH MIN.

LEAKAGE INDUCTANCE (Le)  
 Tx (16&14) WITH 1&2&3 SHORTED:  
 Rx (11&9) WITH 6&7&8 SHORTED:

@ 1 MHz, 20mV  
 0.35uH MAX.  
 0.35uH MAX.

INTERWINDING CAPACITANCE (Cw/w)  
 Tx (1&3 TO 16&14) & Rx (6&8 TO 11&9)

@ 1 MHz, 20mV  
 30pF MAX.

DCR WINDING RESISTANCE  
 (1-3) ; (6-8)  
 (16-14) ; (11-9)

1.0 OHMS MAX.  
 2.0 OHMS MAX.

INSERTION LOSS  
 @100kHz TO 100MHz

1.0dB MAX.

RETURN LOSS  
 (UNDER 100 OHMS ±15% ENVIRONMENT)  
 @0.1 TO 30 MHz  
 @30 TO 60 MHz  
 @60 TO 80 MHz

18dB MIN.  
 18-20 LOG (F/30MHZ)  
 10dB MIN.

COMMON TO COMMON MODE ATTENUATION  
 @0.1 TO 100 MHz

30dB MIN.

CROSSTALK  
 @1MHz TO 100MHz

35dB MIN.

COMMON TO DIFFERENTIAL MODE ATTENUATION  
 @0.1 TO 100 MHz

40dB MIN.

HIPOT

PER HAND-WORK-03

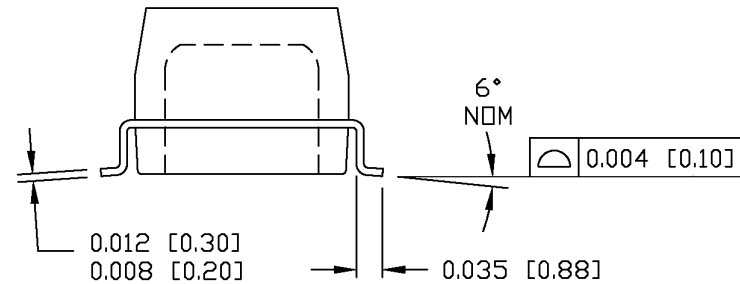
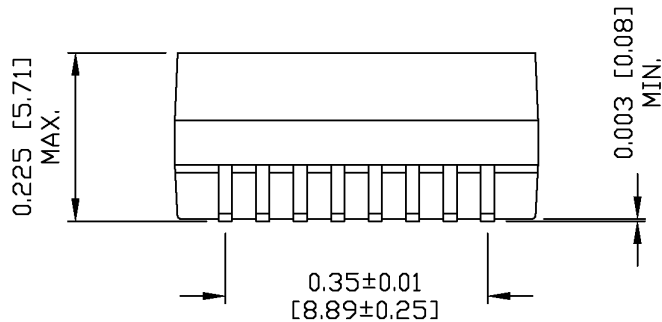
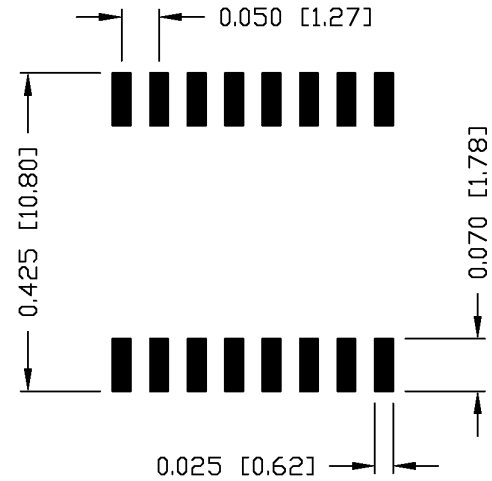
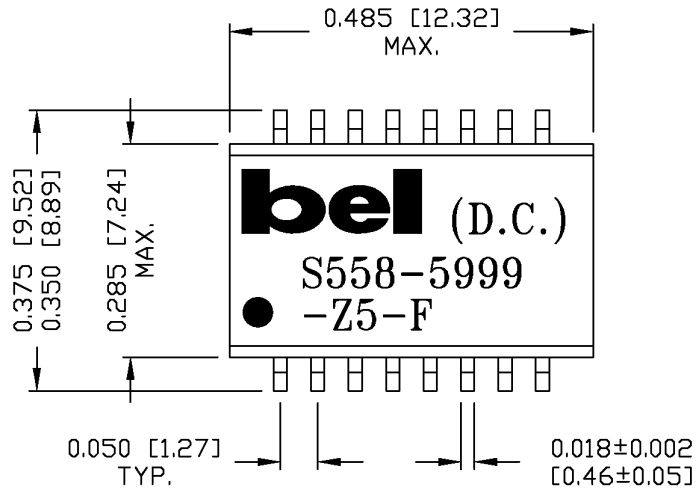
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE
HO	04-27-06	10/100BT MAGNETICS MODULE	X5585999Z5-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	S558-5999-Z5-F	FILE NAME	.X	SCALE : N/A SIZE : A4
DQ Chen	04-27-06		X5585999Z5FA.DWG	.XX	⊕
				.XXX	PAGE : 2



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SUGGESTED PCB PAD LAYOUT



NOTES:

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

ORIGINATED BY HQ	DATE 04-27-06	TITLE MECHANICAL DRAWING S558-5999-Z5-F	PART NO. / DRAWING NO. X5585999Z5-F	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : A	
DRAWN BY DQ Chen	DATE 04-27-06		FILE NAME X5585999Z5FA.DWG	.XX	±0.01	SCALE : N/A	SIZE : A4	
				.XXX	±0.005		PAGE : 3	