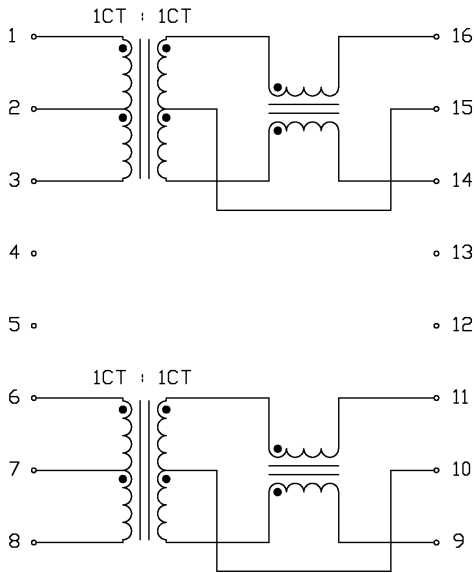


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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



TURNS RATIO  
 Tx (1&2&3) : (16&15&14)  
 Rx (6&7&8) : (11&10&9)  
 PHASING  
 1CT : 1CT  
 1CT : 1CT  
 16 TO 1 ; 14 TO 3  
 11 TO 6 ; 9 TO 8  
 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. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANE	
HO	04-27-06	10/100BT MAGNETICS MODULE	X5585999Z5-F	.X	UNIT : INCH [mm]		REV. : A
DRAWN BY	DATE	S558-5999-Z5-F	FILE NAME	.XX	SCALE : N/A		SIZE : A4
DQ Chen	04-27-06		X5585999Z5FA.DWG	.XXX		PAGE : 2	

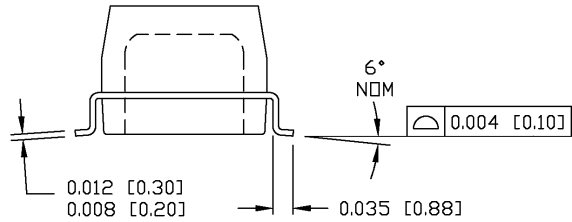
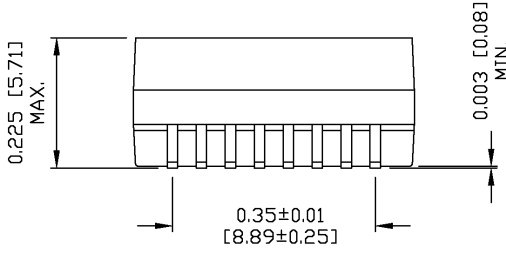
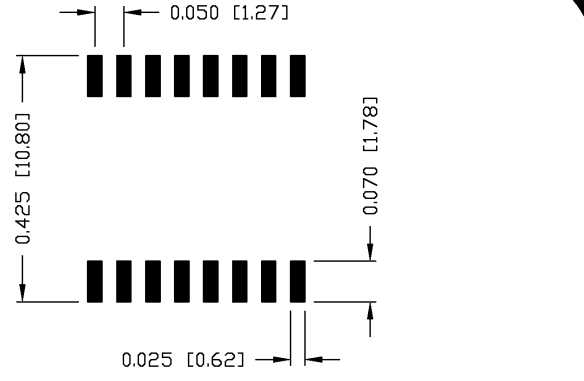
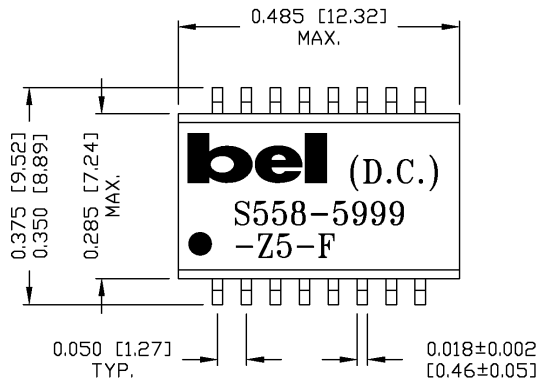
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SUGGESTED PCB PAD LAYOUT



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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE
HD	04-27-06	MECHANICAL DRAWING	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 ±0.01	PAGE : 3
				.XXX ±0.005	



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