

Excellent Integrated System Limited

Stocking Distributor

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[Bel Fuse Inc.](#)
[S558-5500-25-F](#)

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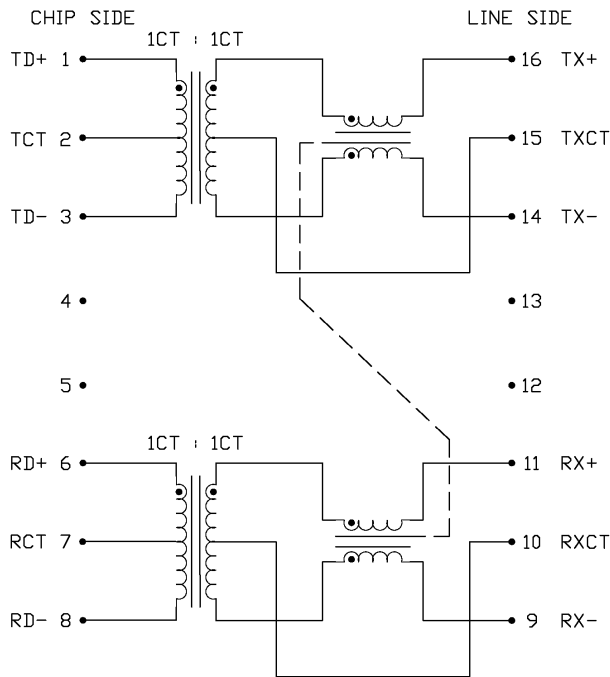
sales@integrated-circuit.com

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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



TURNS RATIO

PIN 1-2-3 : 16-15-14

PIN 6-7-8 : 11-10-9

OCL (0°~70°C)

Tx PIN 1-3 OPEN 16-14

Rx PIN 6-8 OPEN 11-9

LEAKAGE INDUCTANCE, L_L

Tx PIN 1-3 SHORT 16-14

Rx PIN 6-8 SHORT 11-9

INTERWINDING CAPACITANCE, C_w/w

Tx PIN 1-3 TO 16-14

Rx PIN 6-8 TO 11-9

DCR

PIN (1-3) ; (6-8)

INSERTION LOSS

1 MHz TO 100 MHz

RETURN LOSS

1 MHz - 30 MHz

30 MHz - 60 MHz

60 MHz - 80 MHz

COMMON TO DIFFERENTIAL

100 kHz - 100 MHz

CROSSTALK

100 kHz - 100 MHz

HIPOT

1CT : 1CT

1CT : 1CT

350 μ H MIN.

@ 100kHz, 100mVrms

WITH 8mA DC BIAS

0.30 μ H MAX.

@ 1MHz, 20mV

30 pF MAX.

@ 1MHz, 20mV

1.1 Ω m MAX.

1.2 dB MAX.

18 dB MIN.

18-20 LOG (f/30MHz)

12 dB MIN.

35 dB MIN.

35 dB MIN.

PER HAND-WORK-03

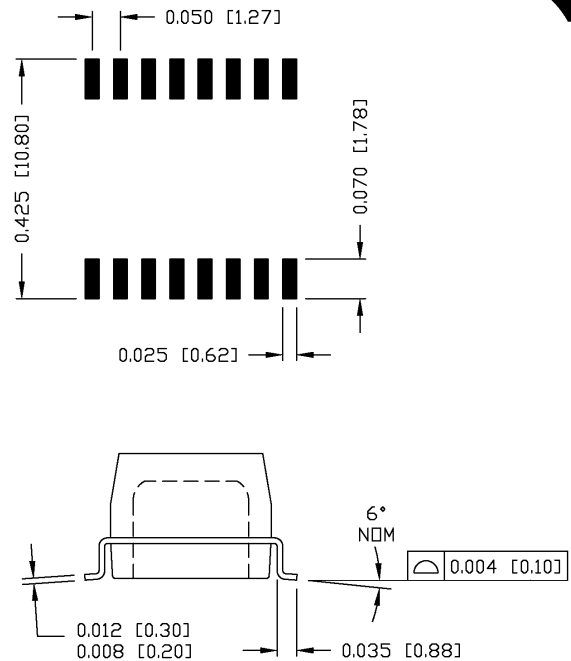
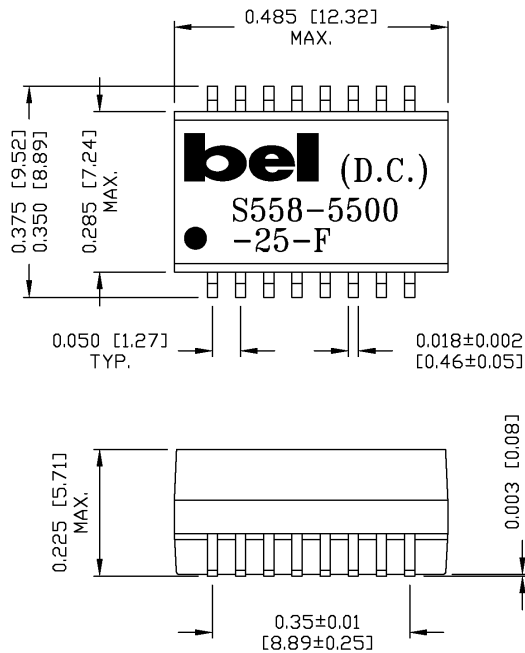
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
HO	07-19-05	VOIP INTERFACE MODULE S558-5500-25-F	X558550025-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DQ Chen	07-19-05		X558550025FA.DWG	.XX .XXX		PAGE : 2



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SUGGESTED PCB PAD LAYOUT



NOTES:

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
HQ	07-19-05	MECHANICAL DRAWING S558-5500-25-F	X558550025-F	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX ±0.01	SCALE : N/A	SIZE : A4
DQ Chen	07-19-05		X558550025FA.DWG	.XXX ±0.005		PAGE : 3

