

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @25°C

Turns Ratio

(1-3) : (16-14)/(16-15) 1CT : 2.4/2
(6-8) : (11-9)/(11-10) 1CT : 1/0.79

Inductance, $\square$ CL

Tx, Rx PRIMARY @10kHz, 20mV
1.8 mH MIN
AT -40°C 750µH MIN.

Leakage Inductance, L_e

Tx PRIMARY (SECONDARY SHORTED) @1MHz, 20mV
0.40µH MAX
Rx PRIMARY (SECONDARY SHORTED) 0.50µH MAX

Interwinding Capacitance, C_w/w

Tx, Rx PRIMARY - SECONDARY @1MHz, 20mV
35pF MAX

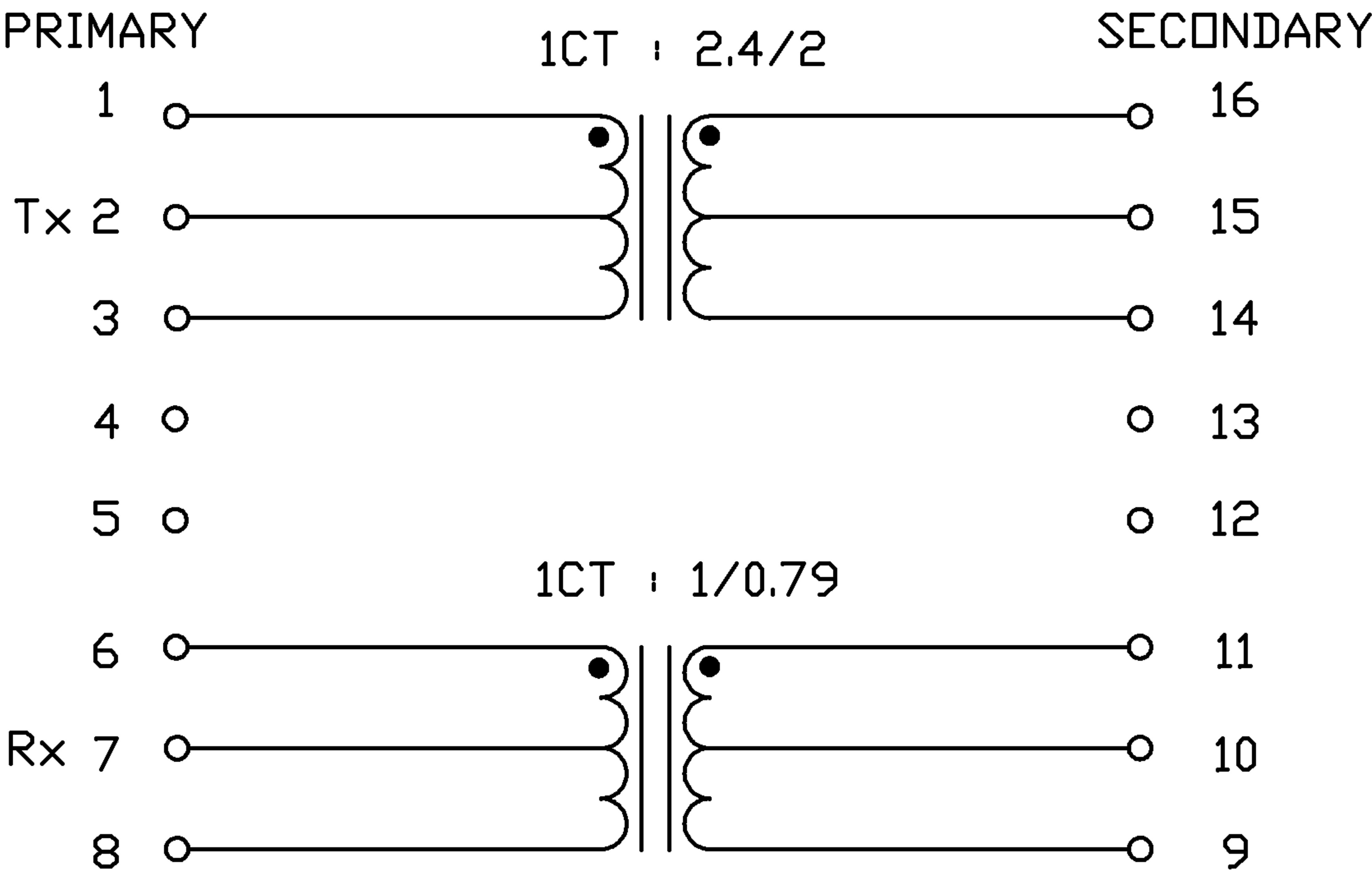
DC Resistance

(1-3) 0.7 Ω MAX.
(16-14) 1.7 Ω MAX.
(16-15) 1.4 Ω MAX.
(6-8),(9-11) 0.75 Ω MAX.
(10-11) 0.6 Ω MAX.

HIPOT

PER HAND-WORK-03

SCHEMATIC

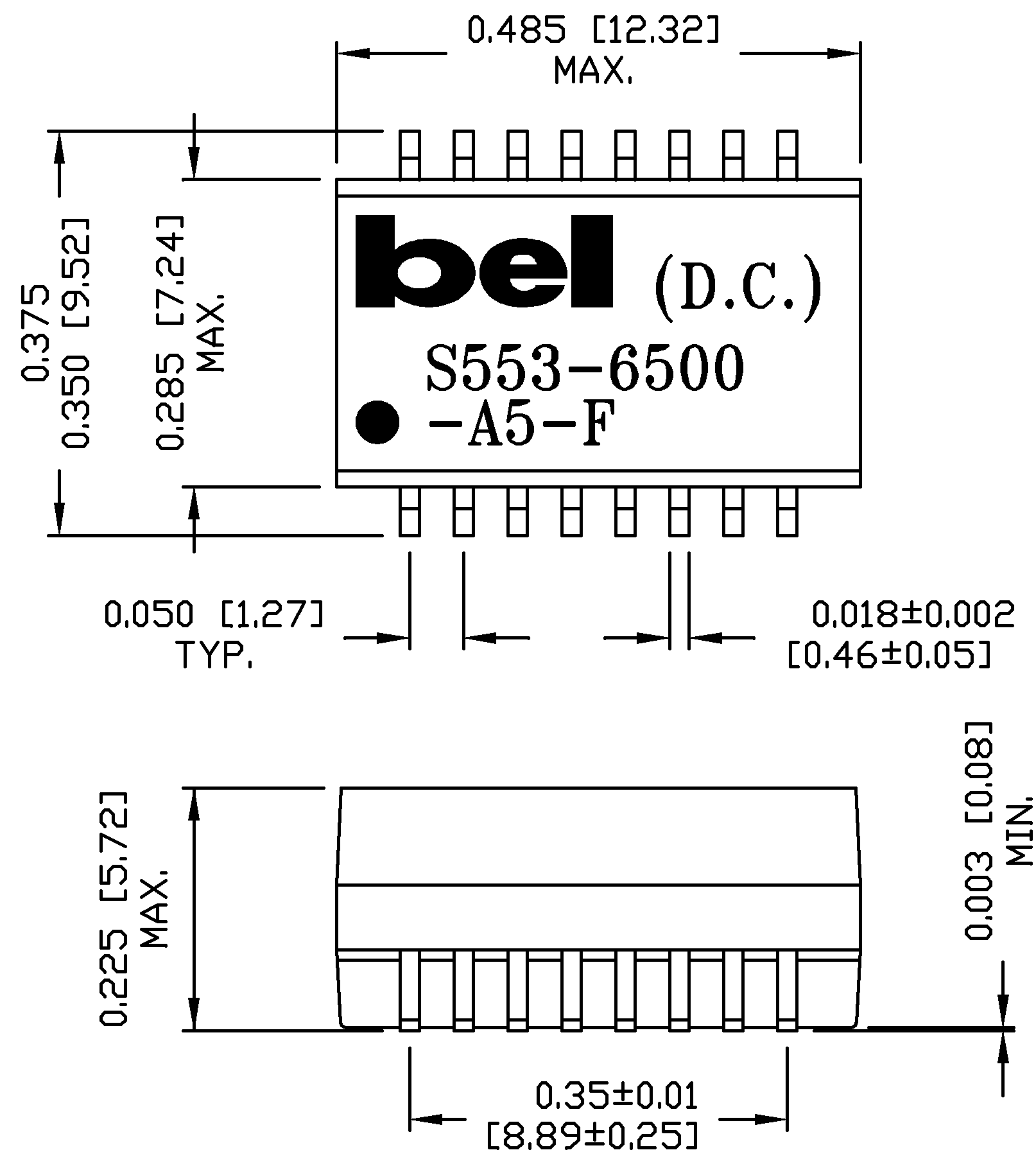
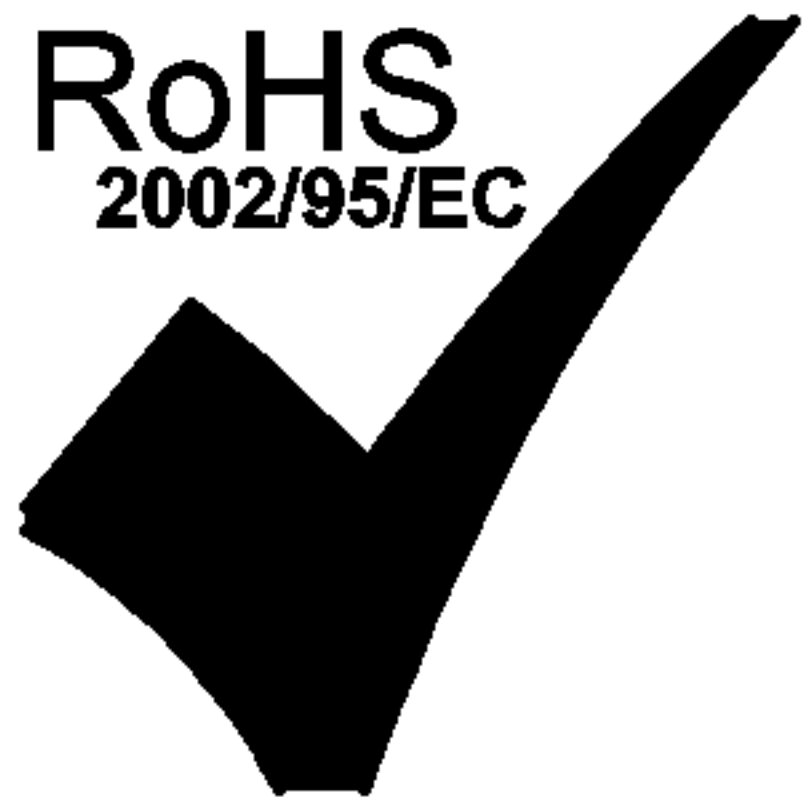


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
CHAN CH	04-10-08	ELECTRICAL SPECIFICATION S553-6500-A5-F	X5536500A5-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 2
YH Lal	04-10-08		X5536500A5FA.DWG	.XXX			

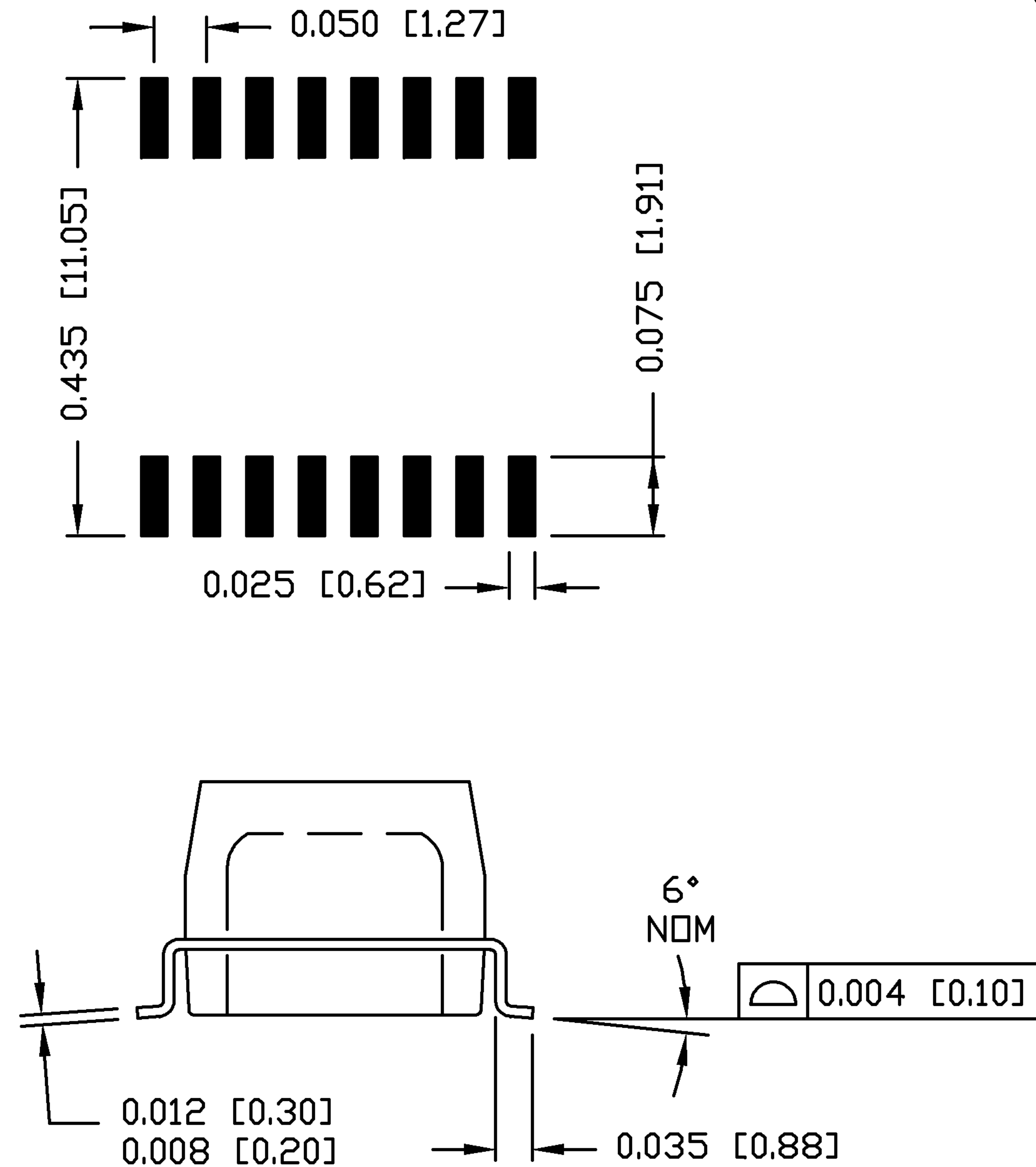


THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

RoHS
2002/95/EC



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	 COMPONENTS FOR A CONNECTED PLANET
LAWRENCE TSANG	04-10-08	MECHANICAL OUTLINE S553-6500-A5-F	X5536500A5-F	.X	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.XX ±0.01	SCALE : N/A	
YH Lai	04-10-08		X5536500A5FA.DWG	.XXX ±0.005	⊕ PAGE : 3	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[S553-6500-A5-F](#)