



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

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ST7010

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4

3

2

1

D

D

- 1. OPERATING TEMPERATURE: 0°C TO +70°C
- 2. STORAGE TEMPERATURE: -20°C TO +125°C
- 3. JEDEC MOISTURE: LEVEL 3

C


C

B

B

A

A

		DATASHEET	
TITLE			
MDL,SIN,10D,1:1.414,SM,TU			
SIZE	CAGE CODE	DWG. NO.	REV.
B	01961	ST7010	M12
SCALE	CADD FILE	SHEET	
NONE	ST7010-1	1 OF 3	

120C72004

4

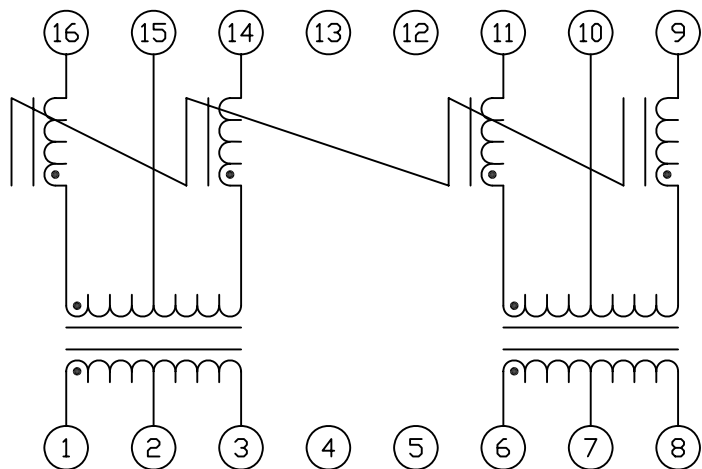
3

2

1

ST7010

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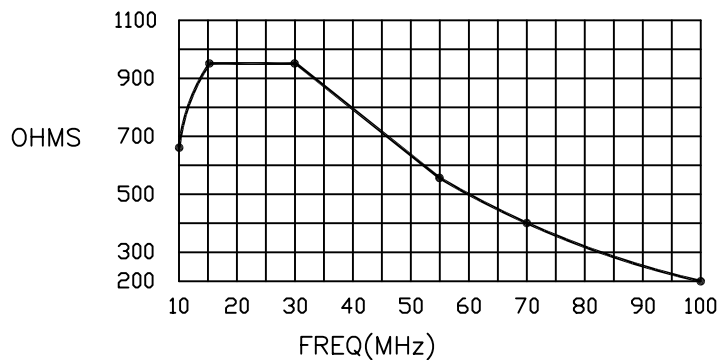


SCHMATIC

ELECTRICAL SPECIFICATIONS @ 25°C  
(CONNECTIVITY, OPEN AND SHORTS (100%): PER PQ: 3.064.000)

- URNS RATIO (1-2-3 TO 16-15-14) : 1CT : 1CT ± 5%
- URNS RATIO (6-7-8 TO 11-10-9) : 1CT : 1.41CT ± 5%
- PHASING : 1, 16 AND 11, 6 IN-PHASE
- OCL (1 - 3) : 175uH MIN @ 10mV, 10KHz
- OCL (6 - 8) : 80uH MIN @ 10mV, 10KHz
- OCL (COMMON MODE INDUCTOR) : 18-60uH @ .008VRMS MAX, 100KHz  
(15 TO 14 AND 16 SHORTED)
- LL (9-11, SHORT 6-8) : 0.55uH MAX @ 1MHz MIN
- LL (1-3 SHORT 14-16) : 0.40uH MAX @ 1MHz MIN
- C<sub>ww</sub> (1-3 TO 14-16 AND 6-8 TO 9-11) : 20pF MAX
- DCR (1-3, 14-16, 6-8 AND 9-11) : 0.9 OHMS MAX
- HIPOT (1-3 TO 14-16 AND 9-11 TO 6-8) : 2000VRMS
- Z<sub>p</sub> (COMMON MODE INDUCTOR): : PER GRAPH  
(14 AND 16 SHORTED) TO 15,  
OR (9 AND 11 SHORTED) TO 10

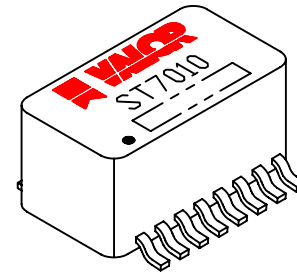
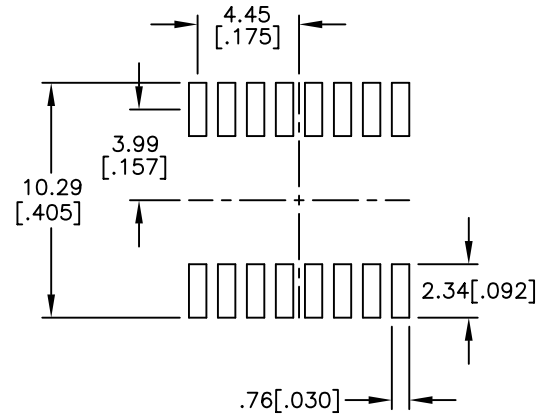
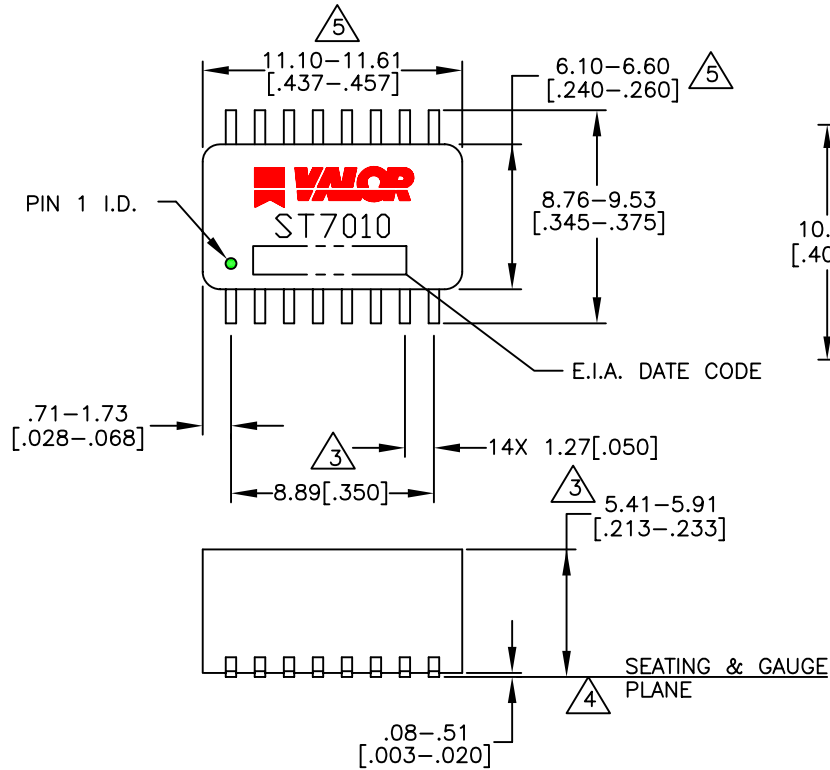
MINIMUM PARALLEL IMPEDANCE (Z<sub>p</sub>)



SIZE	CAGE CODE	DWG. NO.	REV
B	01961	ST7010	M12
SCALE	NONE	CADD FILE	SHEET
		ST7010-2	2 OF 3

ST7010

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NOTES: UNLESS OTHERWISE SPECIFIED

1. PACKAGE: THERMOSET, MOLDED, BLACK, SELF-EXTINGUISHING PER UL94V-0.
2. LEAD: SOLDERABILITY PER MIL-STD-202, METHOD 208.
3. LEADS WITHIN .13 [.005] RADIUS OF TRUE POSITION AT GAUGE PLANE WITH MAXIMUM MATERIAL CONDITION AND UNIT INSTALLED.
4. COPLANARITY: .10 [.004]
5. DIMENSIONS NOT TO INCLUDE MAXIMUM FLASH .25 [.010].

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:

DECIMALS ANGLES  
 .XX ±.01 ± 1°  
 .XXX ±.005  
 DO NOT SCALE DRAWING

SIZE	CAGE CODE	DWG. NO.	REV
B	01961	ST7010	M12
SCALE	NONE	CADD FILE	SHEET
		ST7010-3	3 OF 3