

ST7010

NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF PULSE WHO RESERVES ALL RIGHTS THERETO.

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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	

120C12004

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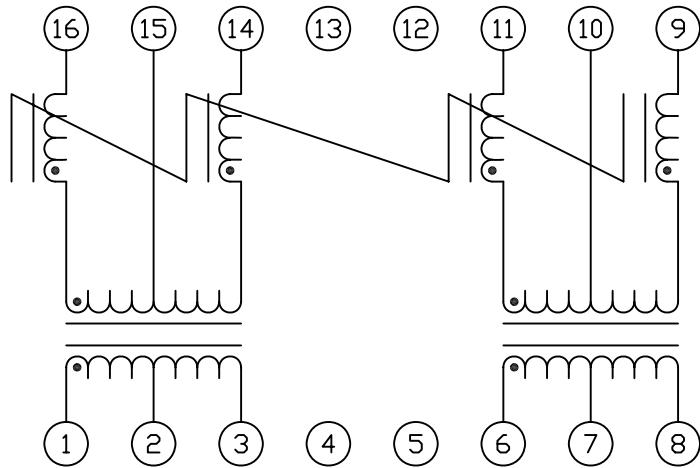
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1

ST7010

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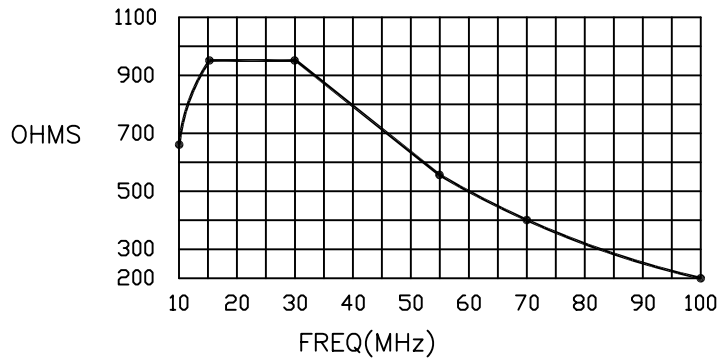


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ELECTRICAL SPECIFICATIONS @ 25°C
(CONNECTIVITY, OPEN AND SHORTS (100%): PER PQ: 3.064.000)

- 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)
(15 TO 14 AND 16 SHORTED) : 18-60uH @ .008VRMS MAX, 100KHz
- LL (9-11, SHORT 6-8) : 0.55uH MAX @ 1MHz MIN
- LL (1-3 SHORT 14-16) : 0.40uH MAX @ 1MHz MIN
- C_{ww} (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_p (COMMON MODE INDUCTOR):
(14 AND 16 SHORTED) TO 15,
OR (9 AND 11 SHORTED) TO 10 : PER GRAPH

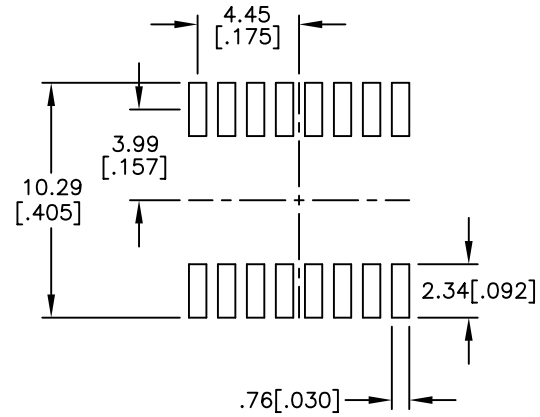
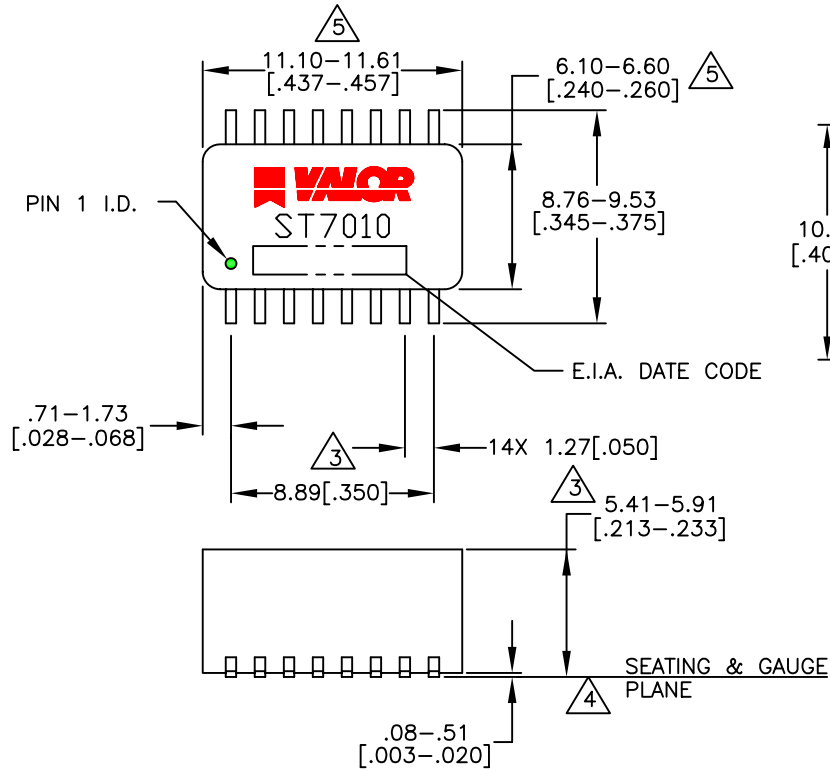
MINIMUM PARALLEL IMPEDANCE (Z_p)



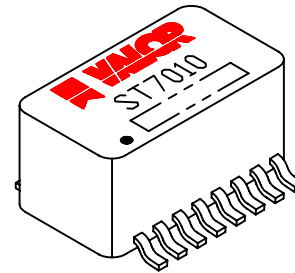
SIZE	CAGE CODE	DWG. NO.	REV
B	01961	ST7010	M12
SCALE	NONE	CADD FILE	SHEET
		ST7010-2	2 OF 3

ST7010

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RECOMMENDED PAD LAYOUT



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	

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B	01961	ST7010	M12
SCALE	NONE	CADD FILE	SHEET
		ST7010-3	3 OF 3