

# CM4732V301R-10

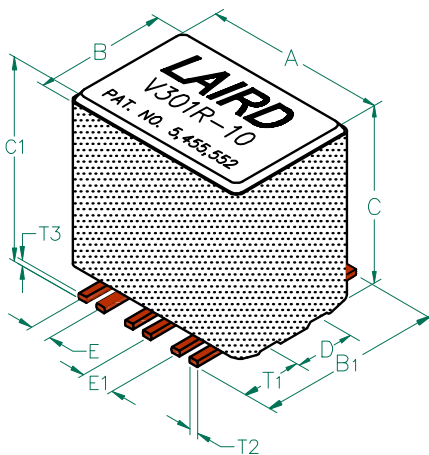


## PHYSICAL DIMENSIONS:

A	11.94 [.470]	+ 0.18 [.007]
B	8.13 [.320]	+ 0.13 [.005]
B <sub>1</sub>	10.92 [.430]	MAX
C	14.48 [.570]	+ 0.25 [.010]
C <sub>1</sub>	15.11 [.595]	MAX
D	4.06 [.160]	+ 0.05 [.002]
E	1.27 [.050]	+ 0.13 [.005]
E <sub>1</sub>	2.03 [.080]	+ 0.13 [.005]

## WIRE DIMENSIONS:

T <sub>1</sub>	3.30 [.130]	+ 0.38 [.015]
T <sub>2</sub>	0.64 [.025]	TYP
T <sub>3</sub>	0.38 [.015]	TYP



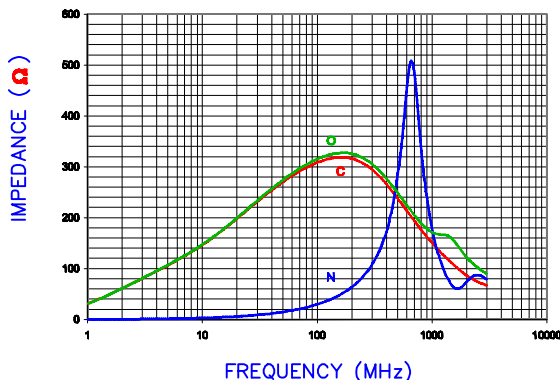
## ELECTRICAL CHARACTERISTICS:

Z @ 100MHz (Ω)	DCR (Ω)	Rated Current	Rated Voltage (VDC)
Nominal	300		
Minimum	225		
Maximum	375	0.01	8,000 mA
			30

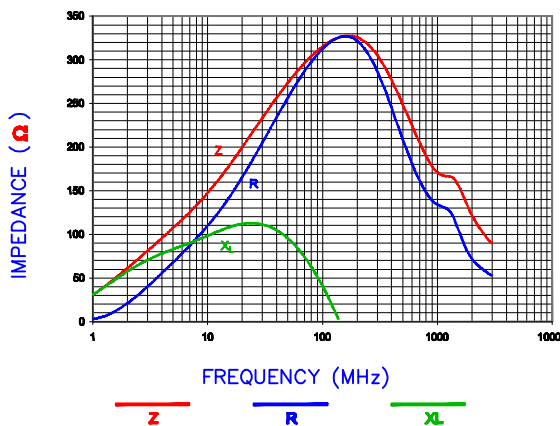
NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 13" REELS, 150 PCS/REEL.
2. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
3. REF. CARRIER TAPE SPECIFICATION #CART4732-33.
4. TERMINATION FINISH IS 100% TIN.
5. THIS PART HAS NO PIN POLARITY.
6. OPERATION TEMPERATURE (INCLUDING SELF-HEATING): -40 ~ +125°C.

Z vs. FREQUENCY (C,O,N)

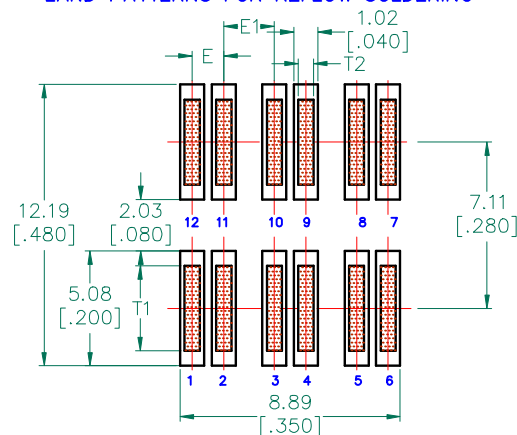


Z, R, XL vs. FREQUENCY

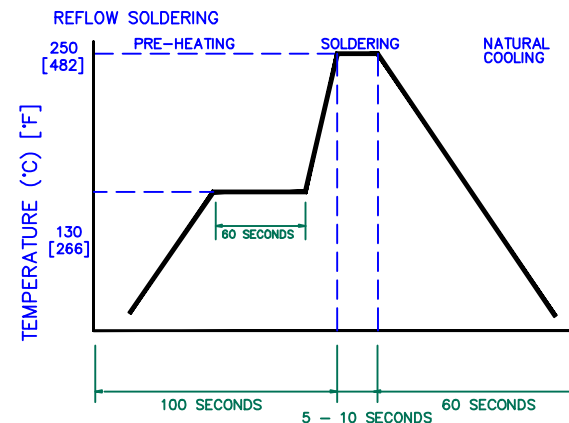


**UNCONTROLLED DOCUMENT**

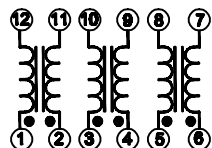
## LAND PATTERNS FOR REFLOW SOLDERING



## RECOMMENDED SOLDERING CONDITIONS



## EQUIVALENT CIRCUIT

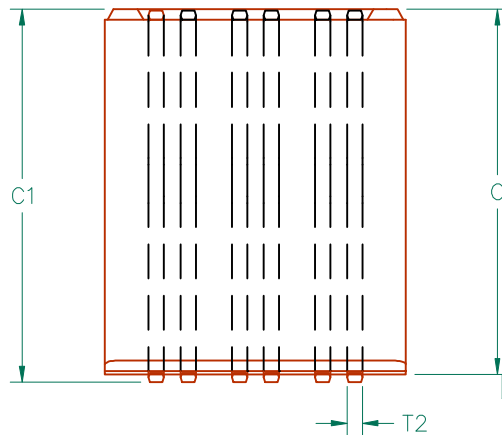
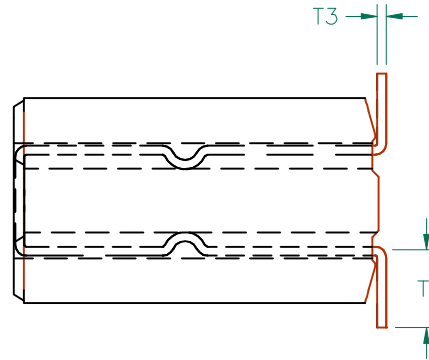
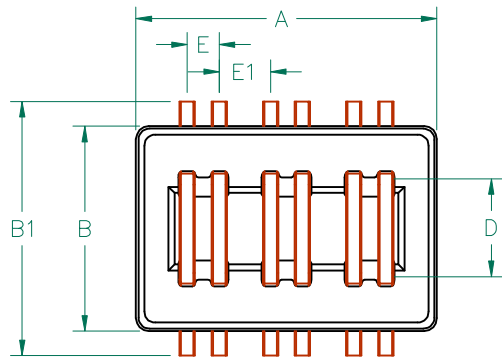


DIMENSIONS ARE IN mm (INCHES).

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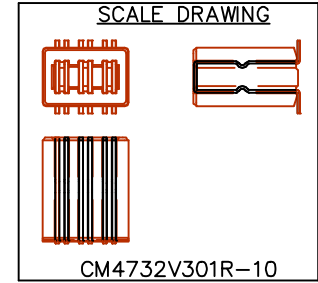


D	ADD RATED VOLTAGE AND NOTE 6	08/30/12	QIU	PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
C	UPDATE COMPANY LOGO AND KAPTON LABEL ADD EQUIV. CIRCUIT	11/11/08	JRK	CM4732V301R-10	D	ASSEMBLY	JRK
B	UPDATE COMPANY LOGO	12/12/07	JRK	DATE: 06/03/04	SCALE:	NTS	SHEET:
A	ORIGINAL DRAFT	06/03/04	JRK	CAD #	TOOL #		
REV	DESCRIPTION	DATE	INT	CM4732V301R-10-D-2	H0470-3		2 of 3



0.10 [ .004 ]  
SEATING PLANE  
(CO-PLANARITY)

**LAIRD**  
V301R-10  
PAT. NO. 5,455,552



**ELECTRICAL TESTING**

TEST:	GROSS	GROSS
# TURNS	1	1
AWG	22	22
FREQUENCY	25 MHz	100 MHz
NOMINAL	169 Ω	300 Ω
MINIMUM	- Ω	225 Ω
MAXIMUM	- Ω	375 Ω
WEIGHT/1000	5.99 kgs.	13.2 lbs.

**DIMENSIONS:**

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B1	10.92 [.430]		MAX
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C1	15.11 [.595]		MAX
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E	1.27 [.050]	+	0.13 [.005]
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**WIRE DIMENSIONS:**

T1	3.30 [.130]	+	0.38 [.015]
T2	0.64 [.025]		TYP.
T3	0.38 [.015]		TYP.

**UNCONTROLLED DOCUMENT**

**NOTES: UNLESS OTHERWISE SPECIFIED**

1. WIRE: REFERENCE STEWARD WIRE PURCHASE SPEC. W0032-31.
2. IMPEDANCE VALUES ARE GROSS, MEASURED USING W0032-31 WIRE PLACED AGAINST END OF SLOT w/ NO D.C. BIAS.
3. REFERENCE STEWARD CORE P/N 24H0470-300.
4. PROTECTED BY U.S. PATENT NO. 5,455,552.
5. TERMINATION FINISH IS 100% TIN.
6. THIS PART HAS NO PIN POLARITY.

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A	ORIGINAL DRAFT	06/03/04	JRK	06/03/04			
REV	DESCRIPTION	DATE	INT	CAD # CM4732V301R-10-D-3	TOOL #	H0470-3	3 of 3