

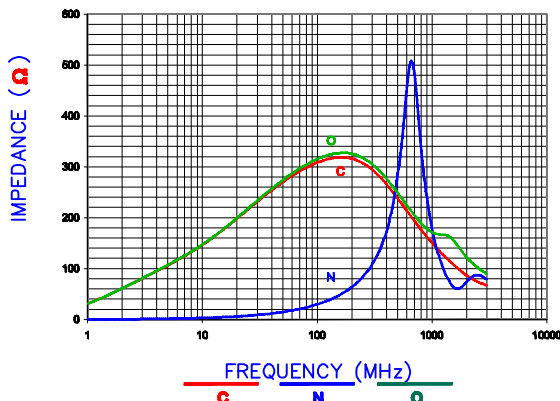
PHYSICAL DIMENSIONS:

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

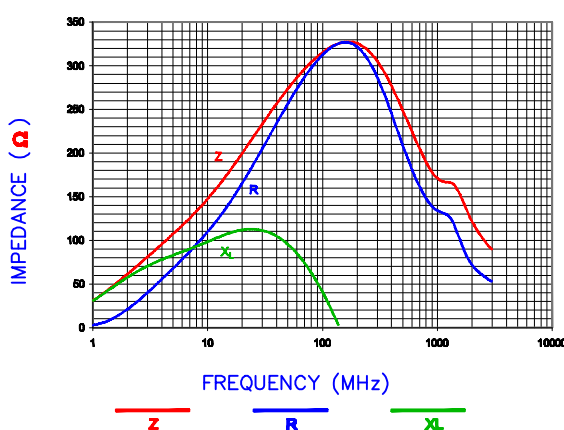
WIRE DIMENSIONS:

T ₁	3.30	[.130]	± 0.38	[.015]
T ₂	0.64	[.025]	TYP	
T ₃	0.38	[.015]	TYP	

Z vs. FREQUENCY (C,O,N)



Z, R, XL vs. FREQUENCY

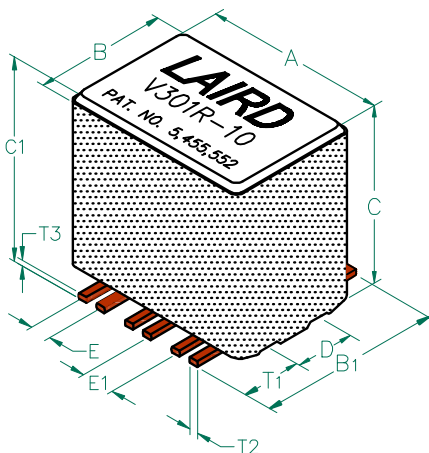


AGILENT E4991A RF Impedance/Material Analyzer
HP 16194A Test Fixture. TEST REF. 3007

CM4732V301R-10



RoHS
2002/95/EC



UNCONTROLLED
DOCUMENT

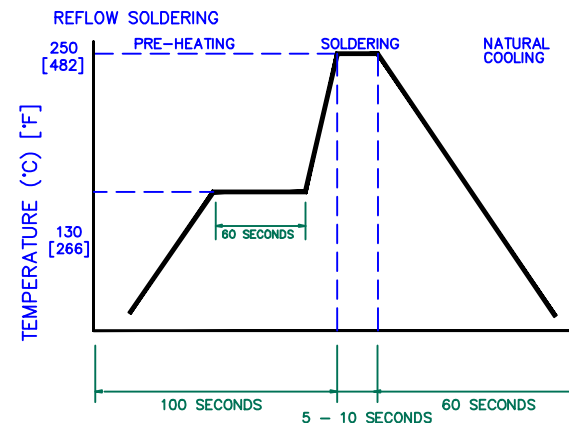
ELECTRICAL CHARACTERISTICS:

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

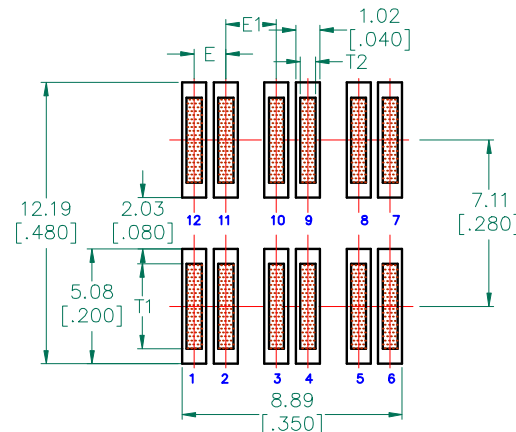
NOTES: UNLESS OTHERWISE SPECIFIED

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.

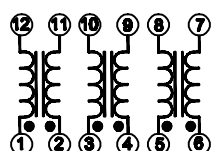
RECOMMENDED SOLDERING CONDITIONS



LAND PATTERNS FOR REFLOW SOLDERING



EQUIVALENT CIRCUIT

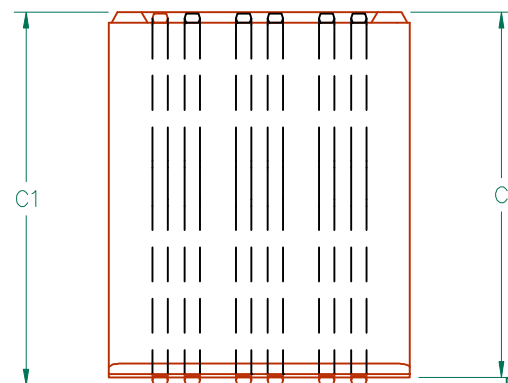
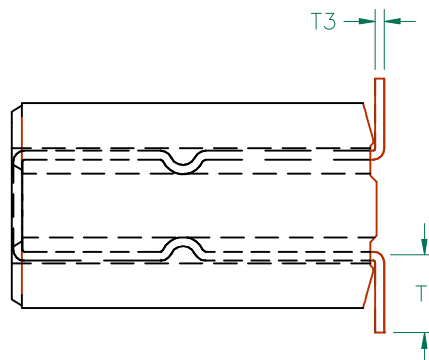
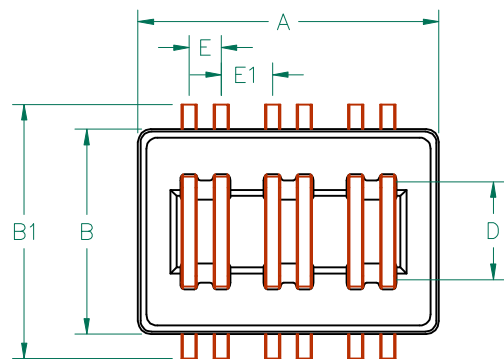


DIMENSIONS ARE IN mm (INCHES).

This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved.			
D	ADD RATED VOLTAGE AND NOTE 6	08/30/12	QIU
C	UPDATE COMPANY LOGO AND KAPTON LABEL ADD EQUIV. CIRCUIT	11/11/08	JRK
B	UPDATE COMPANY LOGO	12/12/07	JRK
A	ORIGINAL DRAFT	06/03/04	JRK
REV	DESCRIPTION	DATE	INT
PROJECT/PART NUMBER: CM4732V301R-10			
DATE: 06/03/04		SCALE: NTS	
CAD #		TOOL # H0470-3	
CM4732V301R-10-D-2		SHEET: 2 of 3	

Laird
TECHNOLOGIES

REV D PART TYPE: ASSEMBLY DRAWN BY: JRK



SEATING PLANE
(CO-PLANARITY)

LAIRD

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

LABEL

RoHS
2002/95/EC

DIMENSIONS:

A	11.94 [.470]	+	0.18 [.007]
B	8.13 [.320]	+	0.13 [.005]
B1	10.92 [.430]		MAX
C	14.48 [.570]	+	0.25 [.010]
C1	15.11 [.595]		MAX
D	4.06 [.160]	+	0.05 [.002]
E	1.27 [.050]	+	0.13 [.005]
E1	2.03 [.080]	+	0.13 [.005]

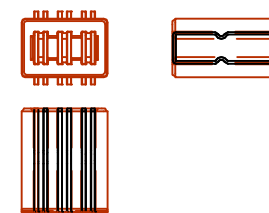
WIRE DIMENSIONS:

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

**UNCONTROLLED
DOCUMENT**



SCALE DRAWING



CM4732V301R-10

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.

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