

28F0181-1SR-10

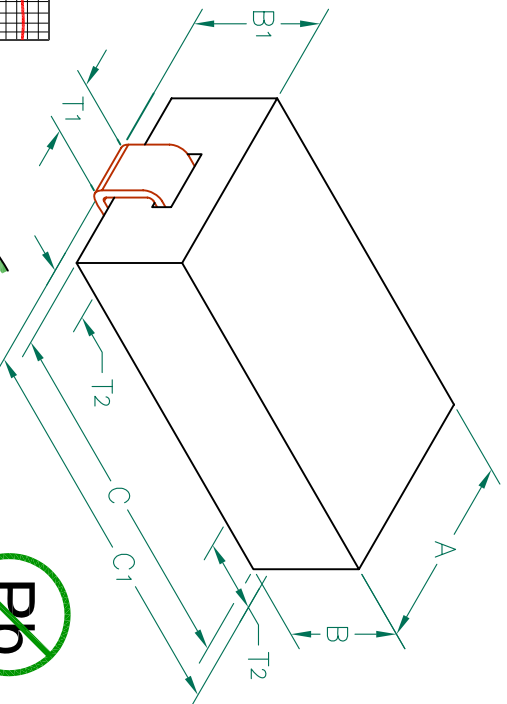
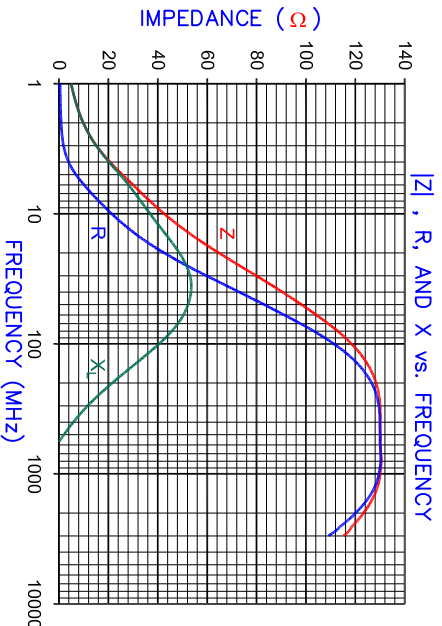
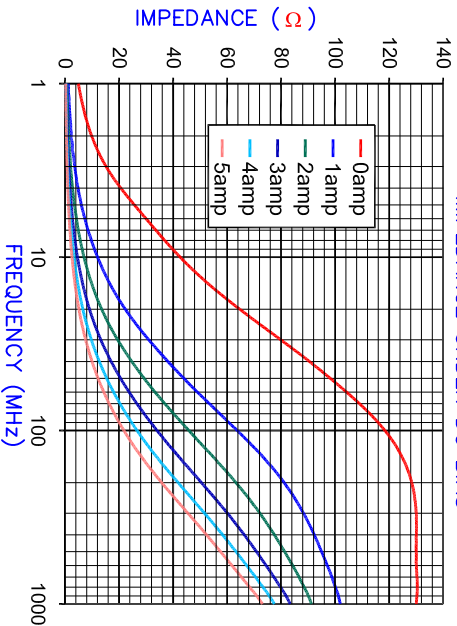
PHYSICAL DIMENSIONS:

A	4.57 [.180]	±	0.08 [.003]
B	2.54 [.100]	±	0.08 [.003]
B ₁	3.05 [.120]	±	MAX
C	8.51 [.335]	±	0.23 [.009]
C ₁	9.53 [.375]	±	MAX

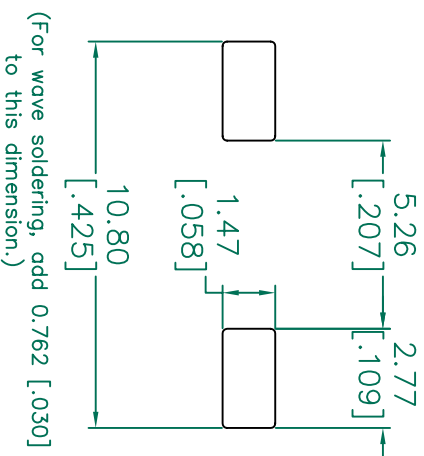
WIRE DIMENSIONS:

T ₁	1.27 [.050]	±	REF.
T ₂	1.52 [.060]	±	0.51 [.020]

Z vs. FREQUENCY
IMPEDANCE UNDER DC BIAS



LAND PATTERNS FOR REFLOW SOLDERING



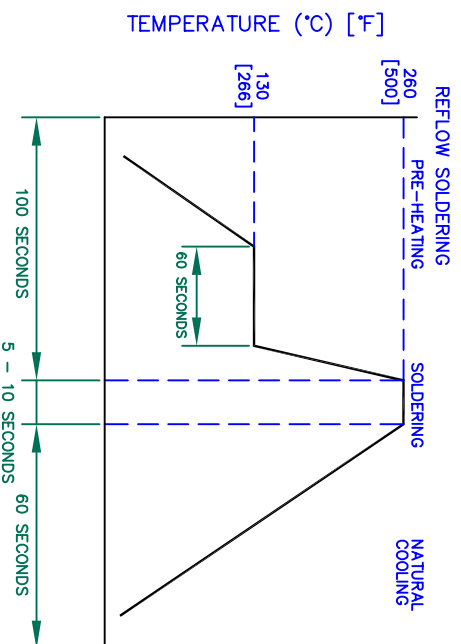
ELECTRICAL CHARACTERISTICS:

	Z (Ω) @		DCR	Rated Current
	25MHz	100MHz		
Nominal	67	115		
Minimum	-	87		
Maximum	-	144	.001	10,000 mA

NOTES: UNLESS OTHERWISE SPECIFIED

- TAPED AND REELED per CURRENT EIA SPECS. 13" REELS, 2,500 pcs/REEL.
- COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
- REF. CARRIER TAPE SPECIFICATION # CART181-13.
- TERMINATION FINISH IS 100% TIN.

RECOMMENDED SOLDERING CONDITIONS



DIMENSIONS ARE IN mm [INCHES].

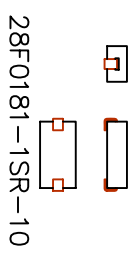
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REV	DESCRIPTION	DATE	INT	PROJECT/PART NUMBER	REV	PART TYPE	DRAWN BY:
A	ORIGINAL DRAFT	04/22/04	JRK	28F0181-1SR-10	F	ASSEMBLY	JRK
B	CORRECT CURRENT RATING	01/12/06	JRK				
C	UPDATE COMPANY LOGO	04/19/07	JRK				
D	UPDATE COMPANY LOGO	10/24/08	JRK				
E	UPDATE LAND PATTERN ADD ROHS	02/26/09	JRK				
F	CHANGE REFLOW TEMPERATURE	02/10/11	JUN				

UNCONTROLLED DOCUMENT

SCALE DRAWING 1:1

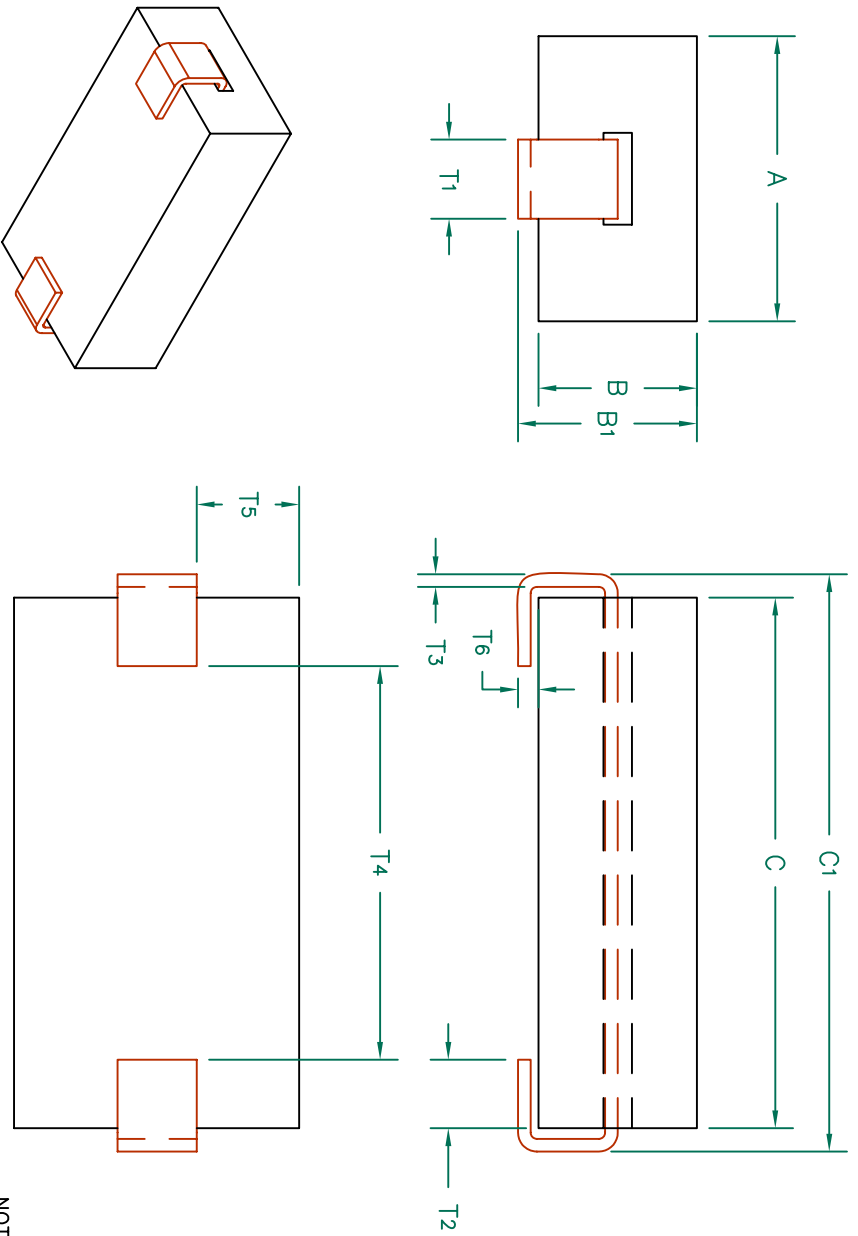


28F0181-1SR-10



ELECTRICAL TESTING

TEST:	Z	Z
# TURNS	1	1
AWG	-	-
FREQUENCY	25 MHz	100 MHz
NOMINAL	67 Ω	115 Ω
MINIMUM	- Ω	87 Ω
MAXIMUM	- Ω	144 Ω
WEIGHT/1000	.046 kgs.	1.02 lbs.



DIMENSIONS:

A	4.57 [.180]	+	0.08 [.003]
B	2.54 [.100]	+	0.08 [.003]
B ₁	3.05 [.120]	+	MAX
C	8.51 [.335]	+	0.23 [.009]
C ₁	9.53 [.375]	+	MAX



UNCONTROLLED DOCUMENT

- NOTES: UNLESS OTHERWISE SPECIFIED
1. WIRE: FLAT, OXYGEN FREE COPPER 1.27 X 0.20 [.050 X .008] PLATED 100% TIN OVER NICKEL. TIN THICKNESS: 0.005 [.0002], NICKEL THICKNESS: 0.0002 [.00008].
 2. IMPEDANCE VALUES ARE GROSS, MEASURED USING W0121 WIRE w/ NO D.C. BIAS.
 3. REFERENCE STEWARD WIRE PURCHASE SPEC. W0121-*
 4. *ON = PARYLENE COATED (.00025" TH).
 5. REFERENCE STEWARD CORE P/N 28H0181-100.
 6. T6 MEASURED ON COMPARATOR WITH TERMINALS UP.
 7. TERMINATION FINISH IS 100% TIN.

WIRE DIMENSIONS:

T ₁	1.27 [.050]	+	REF.
T ₂	1.52 [.060]	+	0.51 [.020]
T ₃	0.20 [.008]	+	REF.
T ₄	5.97 [.235]	+	TYP.
T ₅	1.65 [.065]	+	0.25 [.010]
T ₆	0.43 [.017]	+	MAX

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.	
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PROJECT/PART NUMBER: 28F0181-1SR-10

DATE: 04/22/04

CAD # 28H0181-1SR-10-3-F

REV F PART TYPE: ASSEMBLY DRAWN BY: JRK

SCALE: 8:1 SHEET: 3 of 3

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