

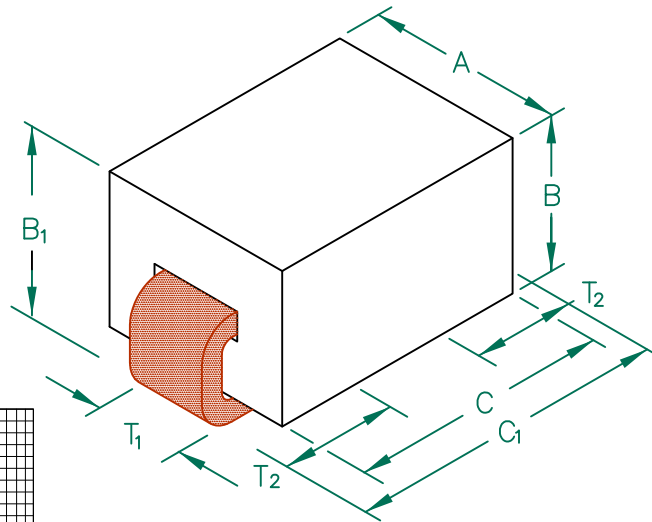
# 35F0121-OSR-10

## PHYSICAL DIMENSIONS:

A	3.05 [.120]	+ 0.08 [.003]
B	2.54 [.100]	+ 0.08 [.003]
B <sub>1</sub>	3.05 [.120]	+ MAX
C	4.06 [.160]	+ 0.10 [.004]
C <sub>1</sub>	5.08 [.200]	+ MAX

## WIRE DIMENSIONS:

T <sub>1</sub>	1.27 [.050]	+ REF
T <sub>2</sub>	1.52 [.060]	+ 0.51 [.020]



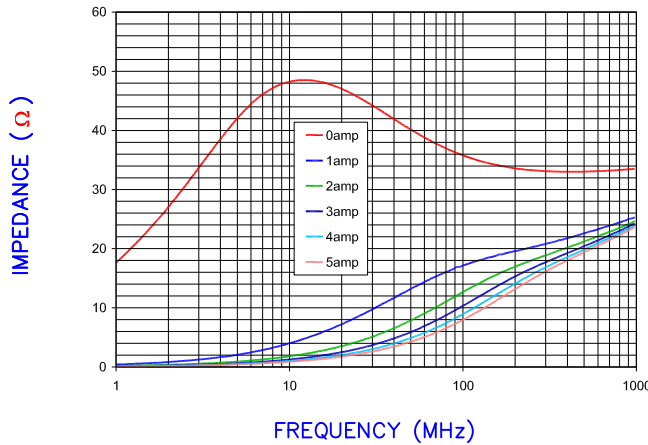
## ELECTRICAL CHARACTERISTICS:

	Z (Ω) @		DCR (Ω)	Rated Current
	1MHz	10MHz		
Nominal	-	42		
Minimum	14	34		
Maximum	-	-	.00075	10,000 mA

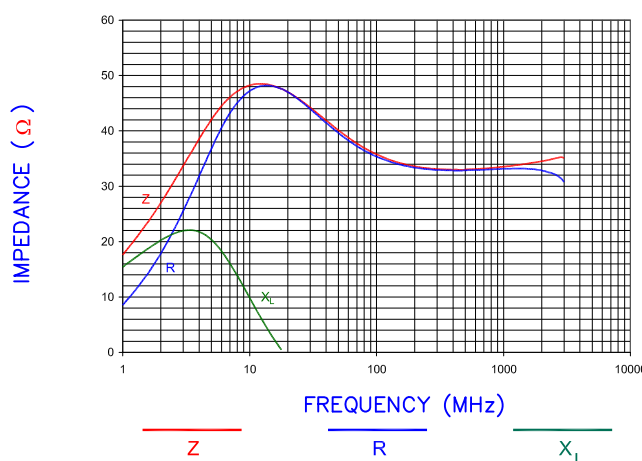
NOTES: UNLESS OTHERWISE SPECIFIED

1. TAPED AND REELED per CURRENT EIA SPECIFICATIONS 13" REELS, 2500 PCS/REEL.
2. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
3. REF. CARRIER TAPE SPECIFICATION # CART121-03.
4. TERMINATION FINISH IS 100% TIN.

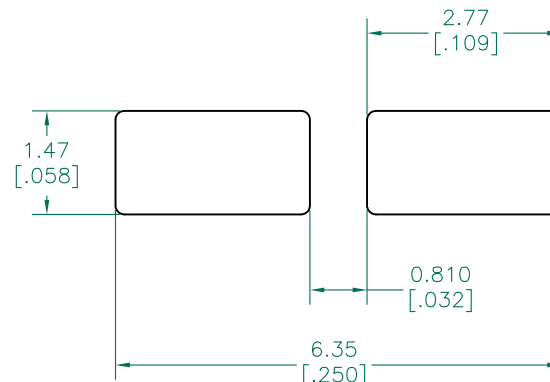
Z vs. FREQUENCY  
IMPEDANCE UNDER DC BIAS



|Z|, R, AND X vs. FREQUENCY

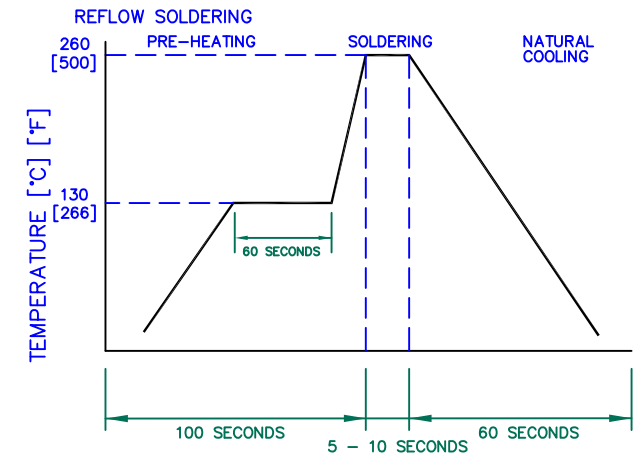


## LAND PATTERNS FOR REFLOW SOLDERING



(For wave soldering, add 0.762 [.030] to this dimension.)

## RECOMMENDED SOLDERING CONDITIONS



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.

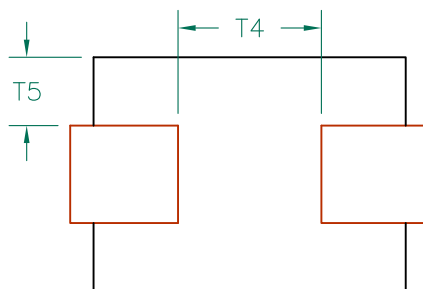
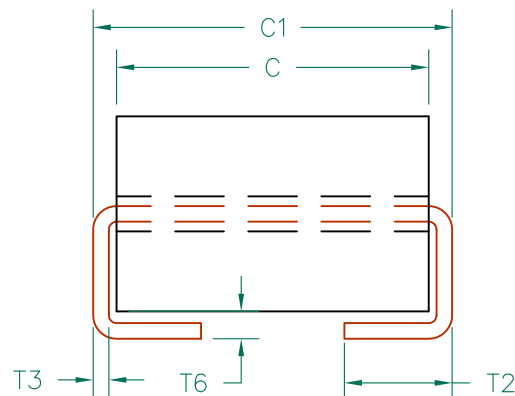
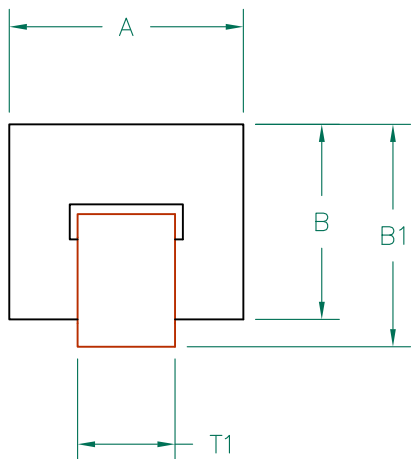


E	CHANGE THE SOLDERING TEMPERATURE	03/08/11	JUN	PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
D	UPDATE COMPANY LOGO	01/23/09	JRK	35F0121-OSR-10	E	ASSEMBLY	JRK
C	UPDATE LANDPATTERN	08/09/07	JRK	DATE:	SCALE:	SHEET:	
B	ADD ROHS SYMBOL UPDATE LOGO	05/04/07	JRK	5/26/04	10 : 1		
A	ORIGINAL DRAFT	5/26/04	JRK	CAD #	TOOL #		
REV	DESCRIPTION	DATE	INT	35F0121-OSR-10-E-3	H0121		1 of 2

SCALE DRAWING 1:1



35F0121-OSR-10



ELECTRICAL TESTING

TEST:	Z	Z
# TURNS	1	1
AWG	-	-
FREQUENCY	1 MHz	10 MHz
NOMINAL	- Ω	42 Ω
MINIMUM	14 Ω	34 Ω
MAXIMUM	- Ω	- Ω
WEIGHT/1000	0.145 kgs.	0.32 lbs.

DIMENSIONS:

A	3.05 [.120]	+	0.08 [.003]
B	2.54 [.100]	+	0.08 [.003]
B <sub>1</sub>	3.05 [.120]	+	MAX
C	4.06 [.160]	+	0.10 [.004]
C <sub>1</sub>	5.08 [.200]	+	MAX

WIRE DIMENSIONS:

T <sub>1</sub>	1.27 [.050]	+	REF.
T <sub>2</sub>	1.52 [.060]	+	0.51 [.020]
T <sub>3</sub>	0.20 [.008]	+	REF.
T <sub>4</sub>	1.52 [.060]	+	REF.
T <sub>5</sub>	0.89 [.035]	+	0.25 [.010]
T <sub>6</sub>	0.43 [.017]	+	MAX

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 WS50X8-\* WIRE w/ NO D.C. BIAS.
3. REFERENCE STEWARD WIRE PURCHASE SPEC. WS50X8-\*
4. \*ON = PARYLENE COATED (.00025" TH).
5. REFERENCE STEWARD CORE P/N 35H0121-\*ON.
6. T6 MEASURED ON COMPARATOR WITH TERMINALS UP.
7. TERMINATION FINISH IS 100% TIN.

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.			
E	CHANGE THE SOLDERING TEMPERATURE	03/08/11	JUN	PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
D	UPDATE COMPANY LOGO	01/23/09	JRK	35F0121-OSR-10	E	ASSEMBLY	JRK
C	UPDATE LANDPATTERN	08/09/07	JRK		DATE:	SCALE:	SHEET:
B	ADD ROHS SYMBOL UPDATE LOGO	05/04/07	JRK	5/26/04	10 : 1	2 of 2	
A	ORIGINAL DRAFT	5/26/04	JRK	CAD #	TOOL #		
REV	DESCRIPTION	DATE	INT	35F0121-OSR-10-E-3			