

CM8663Z161B-10

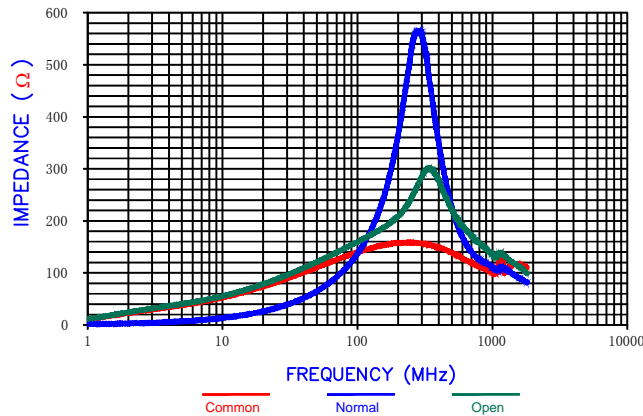
PHYSICAL DIMENSIONS:

A	22.00 [.866]	+ 0.40 [.016]
B	16.00 [.630]	+ 0.30 [.012]
C	16.50 [.650]	+ 0.25 [.010]
D	8.10 [.319]	+ 0.25 [.010]
E	10.20 [.402]	+ 0.50 [.020]

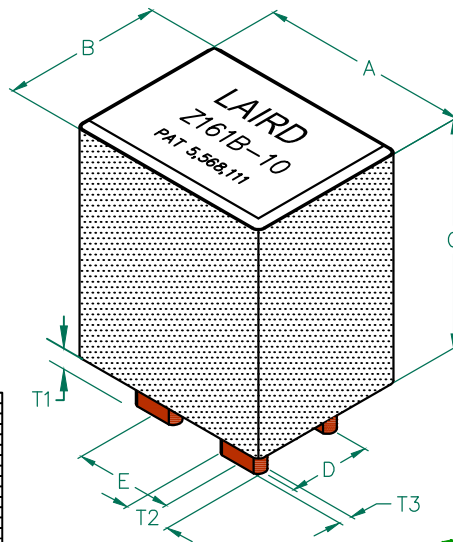
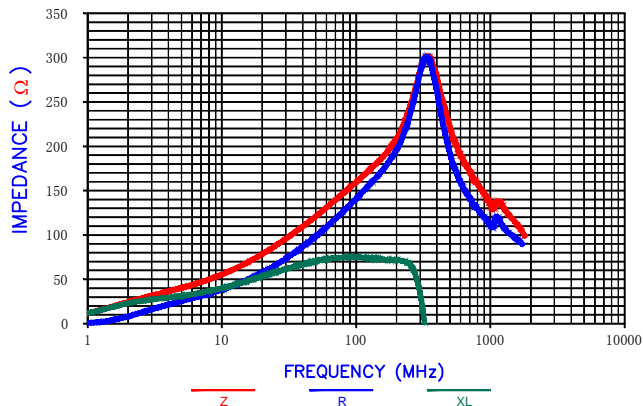
WIRE DIMENSIONS:

T1	3.05 [.120.]	+ 0.33 [.013]
T2	5.50 [.217]	+ 0.05 [.002]
T3	1.40 [.055]	+ 0.05 [.002]

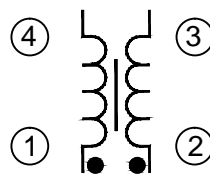
Z vs. FREQUENCY (C,N,O)



Z, R, XL vs. FREQUENCY



EQUIVALENT CIRCUIT



UNCONTROLLED DOCUMENT

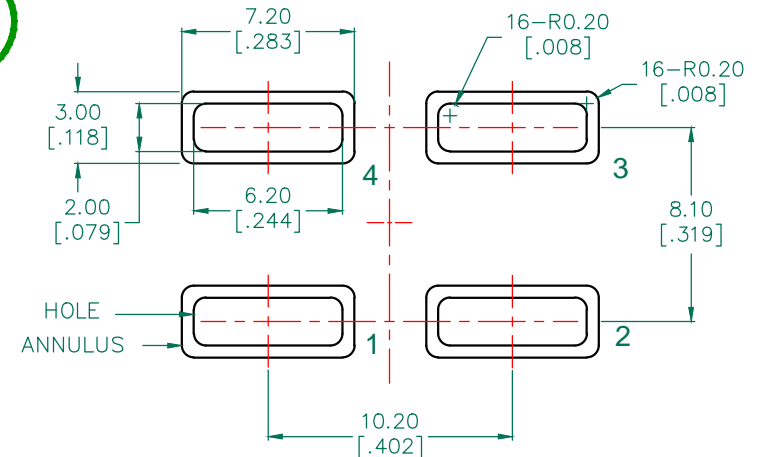
ELECTRICAL CHARACTERISTICS:

Z @ 100MHz (Ω)	DCR (mΩ)	Rated Current (A)
Nominal	160	
Minimum	120	
Maximum	—	0.15
		65A _{dc} or 82A _{ac}

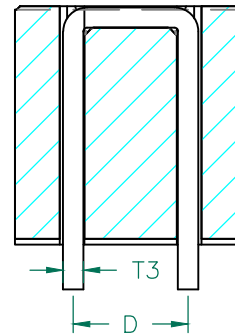
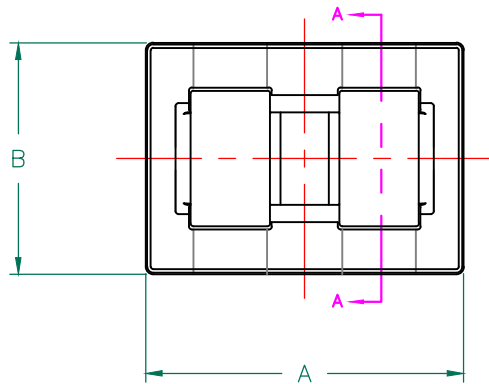
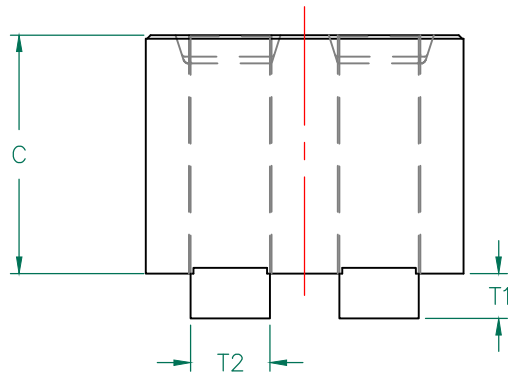
NOTES: UNLESS OTHERWISE SPECIFIED

- RATING CURRENT IS DC CURRENT THAT CAUSES THE TEMPERATURE RISE ($\Delta T \leq 55^\circ\text{C}$) FROM 25°C AMBIENT.
- COMPONENTS SHOULD BE ADEQUATELY PRE-HEATED BEFORE SOLDERING.
- TERMINATION FINISH IS 100% TIN.
- OPERATING TEMPERATURE RANGE: -40°C TO $+155^\circ\text{C}$ (INCLUDING SELF-HEATING).

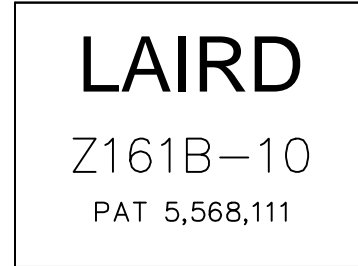
HOLE PATTERN FOR WAVE SOLDERING



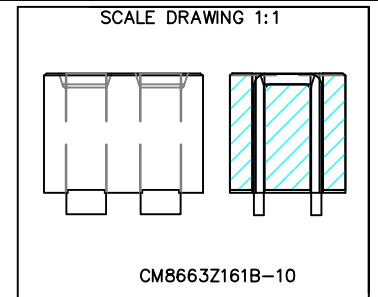
DIMENSIONS ARE mm IN [INCHES]				This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved.		Laird	
PROJECT/PART NUMBER:				REV	DRAWN BY:		
CM8663Z161B-10				A	QIU		
DATE:		SCALE:		MATERIAL:			
10/14/15		NTS					
A	ORIGINAL DRAFT	10/14/15	QIU	CAD #	TOOL #		1 OF 2
REV	DESCRIPTION	DATE	INT	CM8663Z161B-10-A	H0866-1		



SECTION A-A



LABEL



ELECTRICAL TESTING

TEST:	GROSS	GROSS
	Z	Z
FREQUENCY	25 MHz	100 MHz
NOMINAL	90 Ω	160 Ω
MINIMUM	- Ω	120 Ω
WEIGHT/1000	30.5 kgs.	67.2 lbs.



UNCONTROLLED DOCUMENT

PHYSICAL DIMENSIONS:

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T2	5.50	[.217]	± 0.05	[.002]
T3	1.40	[.055]	± 0.05	[.002]

NOTES: UNLESS OTHERWISE SPECIFIED

1. MAXIMUM CURRENT IS:
65A_{dc} or 82A_{ac} @ 55° C RISE.
2. REFERENCE STEWARD CORE P/N 29H0866-100.
3. REFERENCE STEWARD WIRE PURCHASE SPEC.W0866-11.
4. PROTECTED BY U.S. PATENT NO. 5,568,111.
5. TERMINATION FINISH IS 100% TIN.

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				PROJECT/PART NUMBER:		REV	DRAWN BY:
				CM8663Z161B-10		A	QIU
				DATE:	10/14/15	SCALE:	NTS
				CAD #		TOOL #	H0866-1
A	ORIGINAL DRAFT	10/14/15	QIU	MATERIAL:			
REV	DESCRIPTION	DATE	INT	2 OF 2			
				CM8663Z161B-10-A			