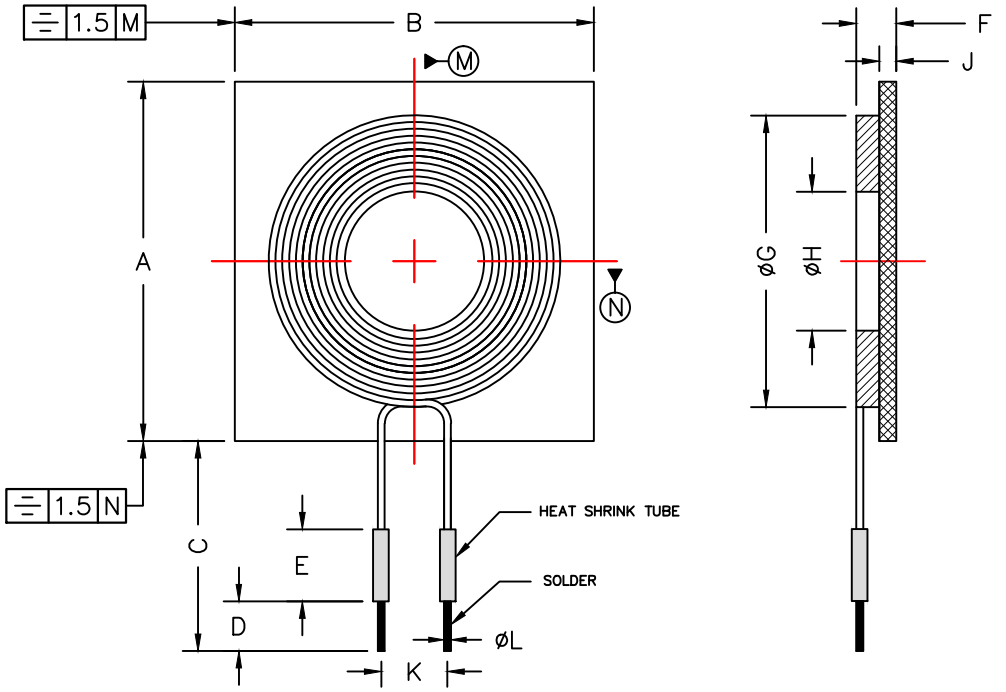
RWC5353FE120-510

PHYSICAL DIMENSIONS:

A	53.00	±	1.00
B	53.00	±	1.00
C	32.00	±	2.00
D	10.00	±	2.00
E	6.00		TYP.
F	5.40	±	0.70
G	40.00		TYP
H	22.00	±	1.00
J	2.50	±	0.40
K	6.00		TYP.
L	2.10		MAX.



ELECTRICAL SPECIFICATION @ 25°C

	Min	Norm	Max
INDUCTANCE (uH) L @ 125KHz/1V ±5%	8.55	9.00	9.45
DCR (mΩ)			30
Q @ 125KHz/1V		200	
Irms (A)	5		
Isat (A)	16		

NOTES: UNLESS OTHERWISE SPECIFIED

1. OPERATING TEMPERATURE RANGE: −40°C TO +125°C (INCLUDING SELF−HEATING) .
2. STORAGE TEMPERATURE RANGE (PACKAGING CONDITIONS): −10°C TO +40°C AND RH 70% (MAX.)
3. UNLESS OTHERWISE SPECIFIED, THE STANDARD ATMOSPHERIC CONDITIONS FOR MEASUREMENT/TEST AS:
   A. AMBIENT TEMPERATURE: 20±15°C.
   B. RELATIVE HUMIDITY: 65%±20%.
4. DEFINITION OF SATURATION CURRENT (ISAT): DC CURRENT AT WHICH THE INDUCTANCE DROPS ≤10% FROM ITS VALUE WITHOUT CURRENT.
5. DEFINITION OF TEMPERATURE RISE CURRENT (IRMS): DC CURRENT THAT CAUSES THE TEMPERATURE RISE (ΔT ≤40°C) FROM 20°C AMBIENT.
6. COIL: 180X0.08, 6Ts X2 LAYER.
7. FERRITE AND COIL ARE GLUED BY EPOXY.

REV	DESCRIPTION	DATE	INT
B	ADD L AND NOTE 7	07/06/16	QIU
A	ORIGINAL DRAFT	03/01/16	QIU

DIMENSIONS ARE IN mm.

Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
RWC5353FE120−510	B		QIU

DATE:	SCALE:	SHEET:
03/01/16	NTS	1 of 1

CAD # RWC5353FE120−510−B

TOOL # −