

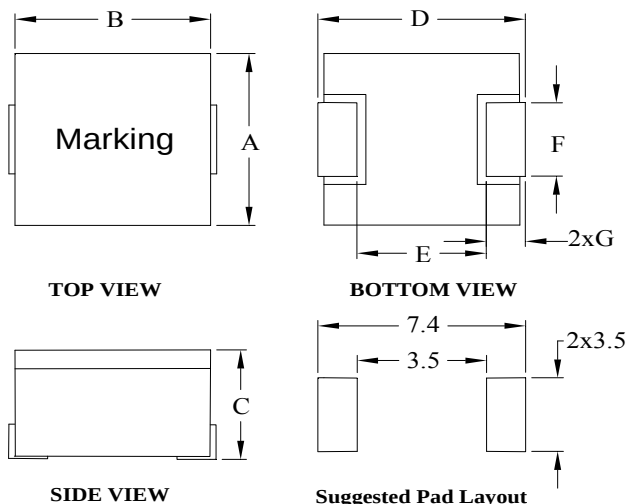


SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Power Inductor,0.60uH ,21.0A ,2.42mΩ DCR	PAGE NO	1 of 4
PART NO	SC2515-R60MHF	DATE	2013.1.29

1.CONFIGURATIONS & DIMENSIONS:



A	6.50	±	0.30	mm
B	6.50	±	0.30	mm
C	4.00		(Max.)	mm
D	7.80		(Max.)	mm
E	4.50		(Ref.)	mm
F	2.80		(Ref.)	mm
G	1.30		(Ref.)	mm
H				mm
I				mm

Marking:

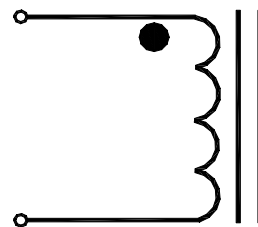
• R60
YY WW

- 1.The long pin is the beginning of winding.
- 2." • "Beginning of winding.
- 3.the top lead to bottom lead winding direction is Counterclockwise.

2.ELECTRICAL CHARACTERISTICS (at 25°C):

TEST	CONDITION				
300KHz	0.25V	L	0.60	uH	± 20%
Ta = 25°C		DCR	2.42	mΩ	± 7%
300KHz 0.25V Isat=21.0A	L@Isat		drops off approx.	20%	(Typ.)
300KHz 0.25V Irms=20.0A	L@Irms		0.490	uH	(Typ.)
300KHz 0.25V Imax=27.4A	L@Imax		0.415	uH	(Typ.)

3.SCHEMATIC DIAGRAM:



Note: Flat wire

Note	Irms: DC current rating at 40°C temperature rise (typical)
	Imax: DC current rating at 100°C temperature rise (typical)

Operating temperature: -40°C ~ +150°C

4.TEST INSTRUMENTS

L:WK3260B.

DCR:Gain Kai Ta 502BCOHM.

L@Isat& L@Irms & L@Imax:WK3260B and WK3265B.

APPROVED BY	CHECKED BY	DRAWN BY
Royi Luo	Royi Luo	Billy Tang



SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Power Inductor,0.60uH ,21.0A ,2.42mΩ DCR	PAGE NO	2 of 4
PART NO	SC2515-R60MHF	DATE	2013.1.29

5.TEST DATA FOR MECHANICAL

TEST ITEM	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm
SPEC	6.50 ± 0.30	6.50 ± 0.30	4.00 (Max.)	7.80 (Max.)	4.50 (Ref.)	2.80 (Ref.)	1.30 (Ref.)			
1	6.58	6.46	3.71	7.55	4.31	2.79	1.20			
2	6.56	6.50	3.73	7.46	4.36	2.71	1.17			
3	6.50	6.48	3.79	7.48	4.27	2.81	1.15			
4	6.50	6.51	3.71	7.44	4.26	2.80	1.13			
5	6.52	6.50	3.75	7.50	4.30	2.82	1.18			
6										
7										
8										
9										
10										
AVERAGE	6.532	6.490	3.738	7.486	4.300	2.786	1.166			

REMARK:

APPROVED BY Royi Luo	CHECKED BY Royi Luo	DRAWN BY Billy Tang
--------------------------------	-------------------------------	-------------------------------



SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Power Inductor,0.60uH ,21.0A ,2.42mΩ DCR	PAGE NO	3 of 4
PART NO	SC2515-R60MHF	DATE	2013.1.29

6. TEST DATA FOR ELECTRICAL

TEST ITEM	L uH	DCR mΩ	L@Isat uH	L@Irms uH	L@Imax	
CONDITION	300KHz 0.25V	at 25°C	300KHz 0.25V Isat=21.0A	300KHz 0.25V Irms=20.0A	300KHz 0.25V Imax=27.4A	
SPEC	0.60 ± 20%	2.42 ± 7%	drops off approx.20% (Typ.)	0.490 (Typ.)	0.415 (Typ.)	
1	0.575	2.353	0.457	0.472	0.397	
2	0.606	2.358	0.469	0.497	0.419	
3	0.589	2.399	0.466	0.483	0.407	
4	0.574	2.362	0.453	0.471	0.397	
5	0.602	2.409	0.468	0.494	0.416	
6						
7						
8						
9						
10						
AVERAGE	0.5892	2.3762	0.4626	0.4831	0.4071	

REMARK:

APPROVED BY Roi Luo	CHECKED BY Roi Luo	DRAWN BY Billy Tang
-------------------------------	------------------------------	-------------------------------

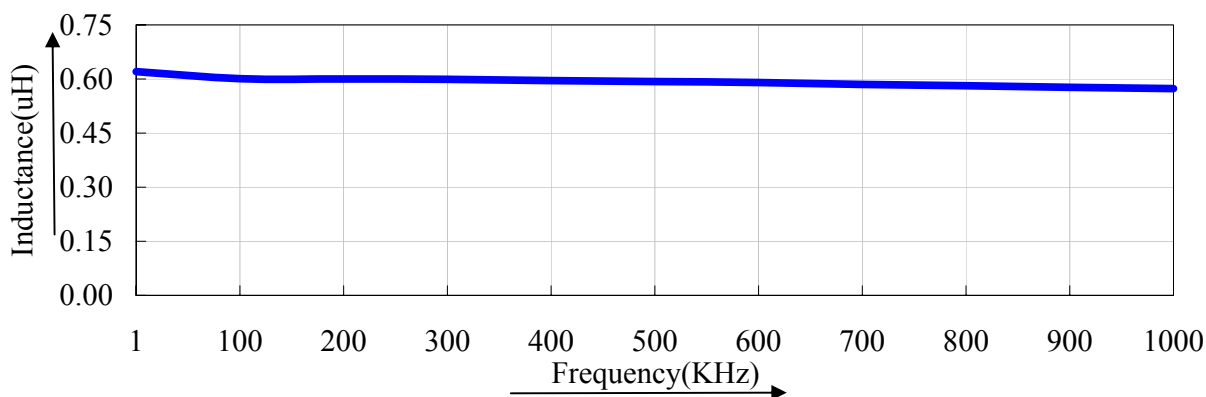
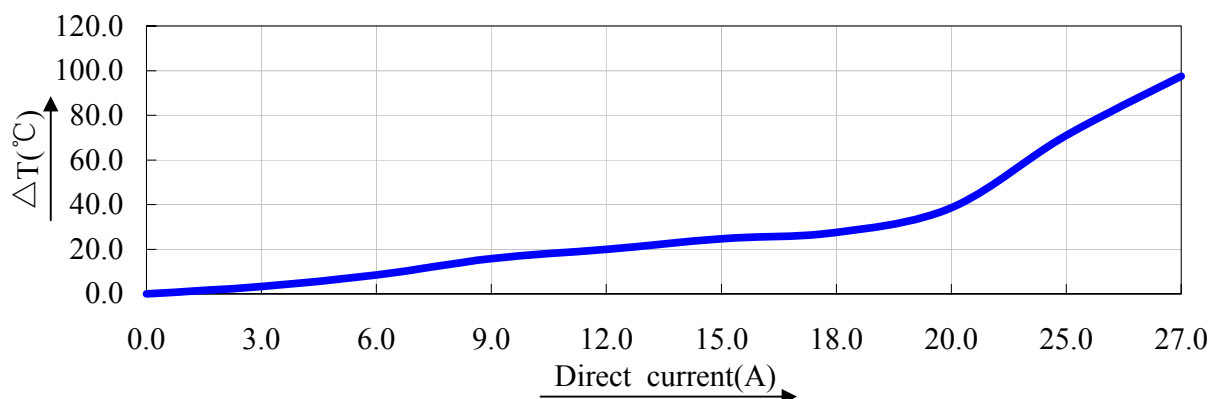
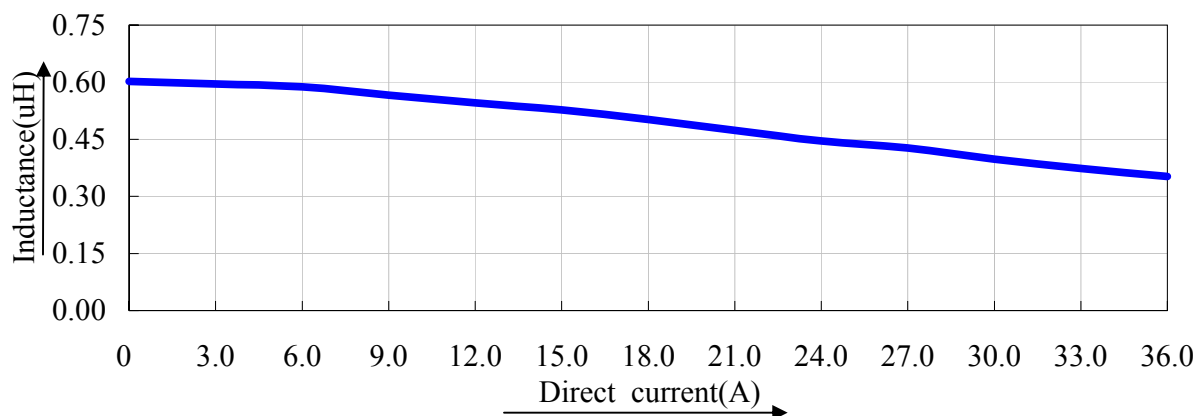


SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Power Inductor,0.60uH ,21.0A ,2.42mΩ DCR	PAGE NO	4 of 4
PART NO	SC2515-R60MHF	DATE	2013.1.29

8.ELECTRIC CHARACTERISTICS.



APPROVED BY

Royi Luo

CHECKED BY

Royi Luo

DRAWN BY

Billy Tang