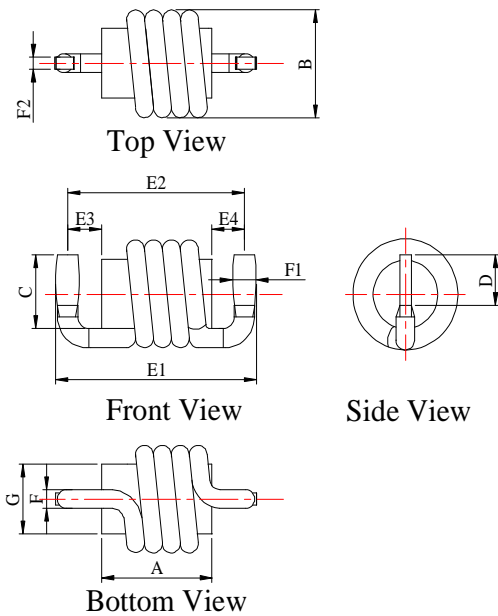


CUSTOMER		REV NO	1.0
DESCRIPTION	Inductor,0.53uH,30A,0.68mΩ DCR	PAGE NO	1 of 1
PART NO	AK1815100040A-R53KHF	DATE	2013.08.07

1.CONFIGURATIONS & DIMENSIONS:



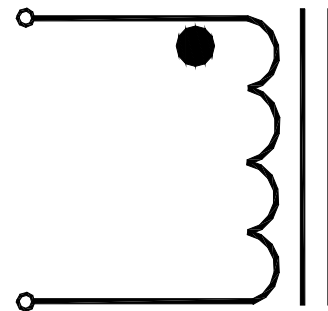
A	15.0	±	0.5	mm
B	13.5		(Max)	mm
C	10.0	±	0.5	mm
D	6.8		(Min)	mm
E1	25.9	±	1.0	mm
E2	22.9	±	1.0	mm
E3	4.2	±	1.0	mm
E4	3.2	±	1.0	mm
F	2.5		(Ref)	mm
F1	3.0	±	0.5	mm
F2	1.4	±	0.5	mm
G	7.8	±	0.2	mm

Note: C:Stripped and deep tinned min .up to start point of radius
D:Flat Stamped

2.ELECTRICAL CHARACTERISTICS:

TEST CONDITION					
1KHz 1.0V	L	0.53	uH	±	10%
at 25°C	DCR	0.68	mΩ		(Max)
1KHz 1.0V Isat=30.0A	L@Isat	L drops 10%			(Typ)
1KHz 1.0V Irms=24.0A	ΔT	40	°C		(Max)

3.SCHEMATIC DIAGRAM



Operating temperature: -55°C ~+130°C

3.TEST INSTRUMENTS

L:WK3260B.

DCR:Gain Kai Ta 502BCOHM.

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