

CUSTOMER		REV NO	1.0
DESCRIPTION	Inductor,1.45uH,15A,1.5mΩ DCR	PAGE NO	1 of 1
PART NO	AK1425120103A-1R45MHF	DATE	2013.08.07

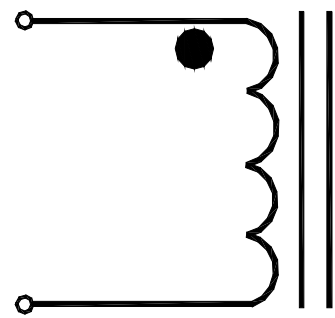
1.CONFIGURATIONS & DIMENSIONS:

	A	25.0	±	1.0	mm
	B	9.0		(Max)	mm
	C(2X)	10.0	±	1.0	mm
	D(2X)	6.0	±	1.0	mm
	E	42.0	±	2.0	mm
	F	Φ 2.0	±	0.1	mm
	G	4.0	±	0.2	mm
	H	8.5	±	0.5	mm
	I				mm
	J				mm

2.ELECTRICAL CHARACTERISTICS:

TEST CONDITION				
10KHz 1.0V	L	1.45	uH	± 20%
Ta=25°C	DCR	1.5	mΩ	(Max)
10KHz 1.0V Isat=15.0A	L@Isat	L drop about 10%		
10KHz 1.0V Irms=14.0A	ΔT	temperature rise 40°C (Typ)		

3.SCHEMATIC DIAGRAM



Operating temperature: -55°C ~+130°C

4.TEST INSTRUMENTS

L:WK3260B.
 DCR:Gain Kai Ta 502BCOHM.
 L@Irms&L@Isat:WK3260B and WK3265B.