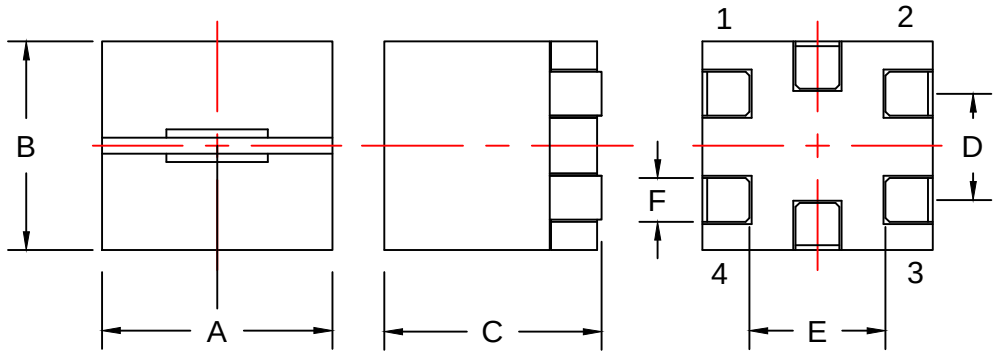
MCD1010100M-10

PHYSICAL DIMENSIONS:

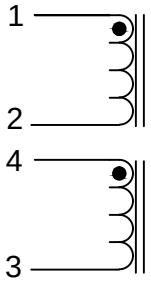
A	10.00	±	0.20
B	10.00	±	0.20
C	14.00		Max.
D	5.00		Typ.
E	7.50		Typ.
F	1.50		Typ.



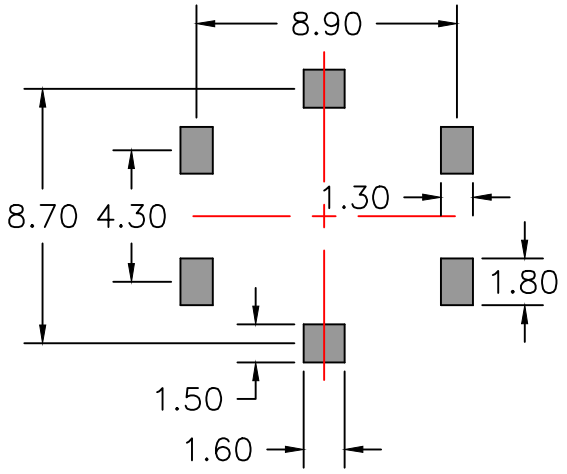
ELECTRICAL SPECIFICATION @ 25°C

	Min	Norm	Max
INDUCTANCE (uH) L @ 100KHz/0.1V ± 20%	8.00	10.0	12.00
DCR (mΩ)		13.8	14.5

Saturation Current [3] Isat (A)	6.5
Temperature Rise [4] Current Irms (A)	6.6



LAND PATTERNS FOR REFLOW SOLDERING



NOTES:

1. OPERATION TEMPERATURE RANGE: −40°C~+155°C (INCLUDING SELF−HEATING).
2. STORAGE TEMPERATURE RANGE: +5°C~+40°C.
3. DEFINITION OF SATURATION CURRENT (ISAT): DC CURRENT AT WHICH THE INDUCTANCE DROPS TO 75% NOM FROM ITS VALUE WITHOUT CURRENT.
4. DEFINITION OF TEMPERATURE RISE CURRENT (IRMS): DC CURRENT THAT CAUSES THE TEMPERATURE RISE (△T ≤30°C) FROM 125°C AMBIENT.
5. COPLANARITY: 0.15mm MAX

RoHS

DIMENSIONS ARE IN mm.

REV	DESCRIPTION	DATE	INT
A	ORIGINAL	5/24/16	QIU

Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
MCD1010100M−10	A	POWER INDUCTOR	QIU

DATE:	SCALE:	SHEET:
5/24/16	NTS	1 of 1

CAD # MCD1010100M−10−A TOOL # −