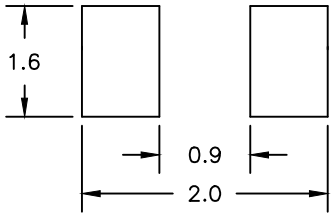
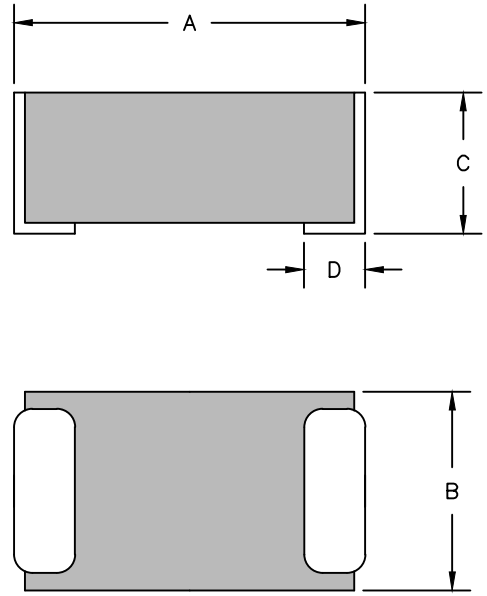
MGV201610SR47M-10

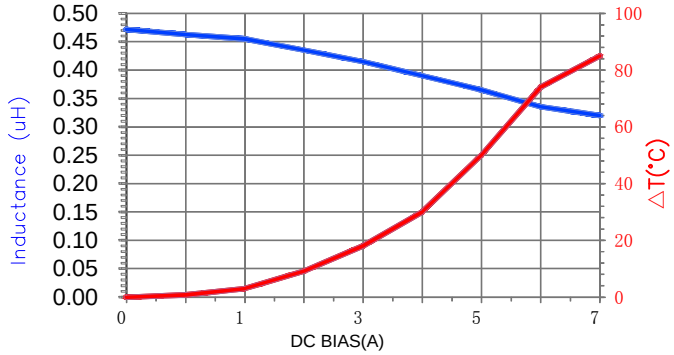
PHYSICAL DIMENSIONS:

A	2.00	±	0.20
B	1.60	±	0.20
C	1.00		Max.
D	0.50	±	0.30

LAND PATTERNS FOR REFLOW SOLDERING







ELECTRICAL SPECIFICATION @ 25°C

	Min	Norm	Max
INDUCTANCE (uH) L @ 1MHz/1mA ±20%	0.376	0.47	0.564
DCR (Ω)		0.023	0.030
Saturation Current Isat (A)		6.10	5.30
Heating Current Irms (A)		4.50	4.05

NOTES:

1. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
2. TERMINATION FINISH IS 100% TIN.
3. OPERATING TEMPERATURE RANGE: −40°C ~ +125°C .
4. STORAGE TEMPERATURE RANGE: −50°C ~ +125°C .
5. ISat MEANS THAT MAX DC CURRENT WILL CAUSE A PROXIMATELY 30% INDUCTANCE REDUCTION FROM INITIAL VALUE.
6. Irms MEANS THAT MAX DC CURRENT WILL CAUSE PROXIMATELY 40°C TEMPERATURE RISE FROM 25±5°C AMBIENT.

REV	DESCRIPTION	DATE	INT
A	ORIGINAL DRAFT	06/13/17	QIU

DIMENSIONS ARE IN mm.

Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
MGV201610SR47M−10	A	POWER INDUCTOR	QIU

DATE:	SCALE:	SHEET:
06/13/17	NTS	1 of 1

CAD # MGV201610SR47M−10−A

TOOL # −