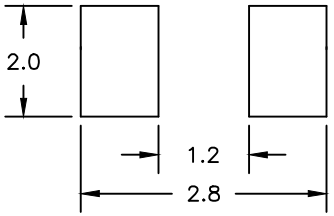
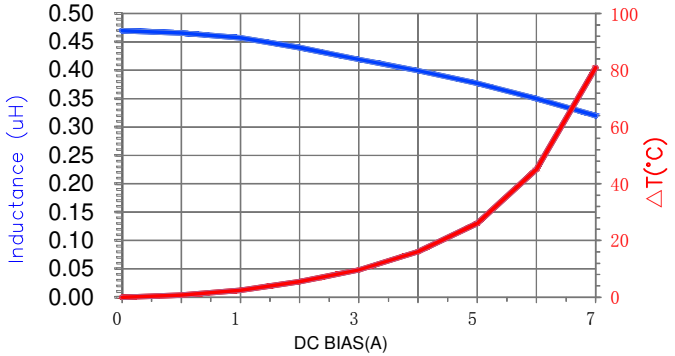
MGV252012SR47M-10

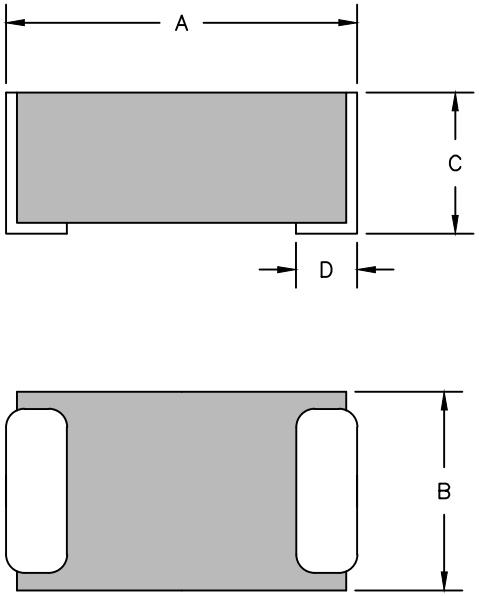
PHYSICAL DIMENSIONS:

A	2.50	±	0.20
B	2.00	±	0.20
C	1.20		Max.
D	0.60	±	0.30

LAND PATTERNS FOR REFLOW SOLDERING







RoHS

ELECTRICAL SPECIFICATION @ 25°C

	Min	Norm	Max
INDUCTANCE (uH) L @ 1MHz/1mA ±20%	0.376	0.47	0.564
DCR (Ω)		0.016	0.022
Saturation Current Isat (A)		6.80	6.20
Heating Current Irms (A)		5.80	4.90

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.

DIMENSIONS ARE IN mm.

REV	DESCRIPTION	DATE	INT
A	ORIGINAL DRAFT	06/08/17	QIU

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PROJECT/PART NUMBER: MGV252012SR47M−10	REV: A	PART TYPE: POWER INDUCTOR	DRAWN BY: QIU
DATE: 06/08/17	SCALE: NTS	SHEET: 1 of 1	
CAD #: MGV252012SR47M−10−A	TOOL #: −		