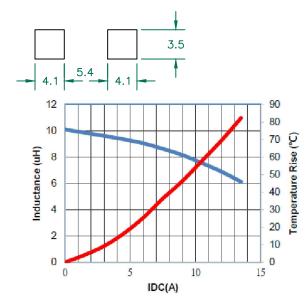
MGV1004100M-12

PHYSICAL DIMENSIONS:

A 11.00 ± 0.50 B 10.00 ± 0.30 C 4.00 ± 0.40 D 3.00 ± 0.30 E 2.30 ± 0.30

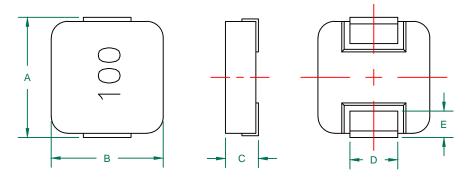
LAND PATTERNS FOR REFLOW SOLDERING



ELECTRICAL SPECIFICATION @ 25°C

	Min	Nom	Max
INDUCTANCE (uH) L @ 100KHz/0.25V ± 20%	8.0	10.0	12.0
DCR $(m\Omega)$			30.00

Saturation Current ³ Isat (A)	12.00
Temperature Rise Current Irms ⁴(A)	7.50







NOTES: UNLESS OTHERWISE SPECIFIED

- 1. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
- 2. OPERATION TEMPERATURE RANGE:
 -55°C~+125°C (INCLUDING SELF-HEATING) .
- 3. SATURATION CURRENT Isat IS DEFINED AS MAXIMUM AMOUNT OF CURRENT BY WHICH INDUCTANCE WILL DROP BY APPROXIMATELY VALUE OF 30% OF INITIAL INDUCTANCE (Ta=25 \pm 5°C).
- 4. DEFINITION OF TEMPERATURE RISE CURRENT (IRMS): DC CURRENT THAT CAUSES THE TEMPERATURE RISE (\triangle T APPROXIMATELY 40°C) FROM 25°C AMBIENT.

	DIMENSIONS ARE IN mm.			rd					
				Tech, and is loaned in confidence subject to return upon request			_	=	F "
				with the understanding that no		Laird			
				copies shall be made without th written consent of Laird Tech. A					
				rights to design or invention are					
				reserved.					
				PROJECT/PART NUMBER:	T	REV	PART TY	PE:	DRAWN BY:
				MGV1004100M-12		Α		WER CTOR	Jonson
					SCAL	E: N1	TS	SHEET:	l .
Α	ORIGINAL DRAFT	08/17/18	Jonso	00/1//10	TOOL		13		
REV	DESCRIPTION	DATE	INT	MGV1004100M-12-A	1000		-	1	of 1