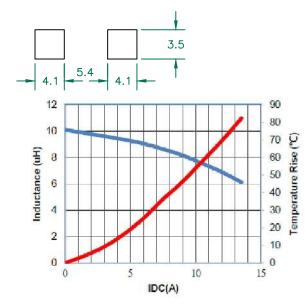
MGV1004100M-12

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

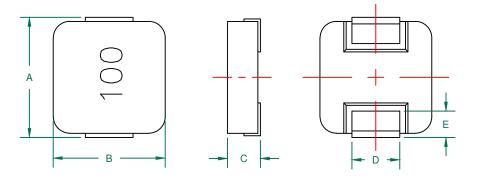
LAND PATTERNS FOR REFLOW SOLDERING



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.		This print is the property of Lair	d					
				Tech, and is loaned in confidence subject to return upon request of				
				subject to return upon request and with the understanding that no copies shall be made without the written consent of Loird Tech. All				
				rights to design or invention are				
				reserved.				
				PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:	
				MGV1004100M-12	Α	POWER	Jonson	
-						INDUCTOR		
					SCALE: N	TS SHE	ET:	
Α	ORIGINAL DRAFT	08/17/18	Jonso	CAD #	TOOL #		1 -4 1	
REV	DESCRIPTION	DATE	INT	MGV1004100M-12-A		-	1 of 1	