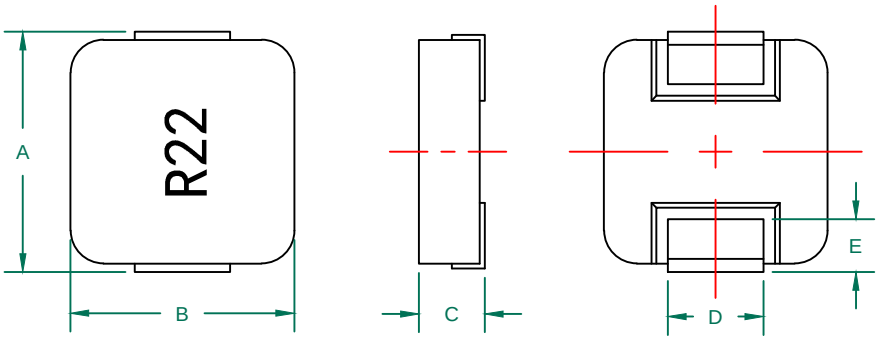
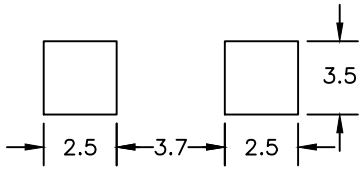
MGV0603R22M-10

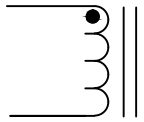
PHYSICAL DIMENSIONS:

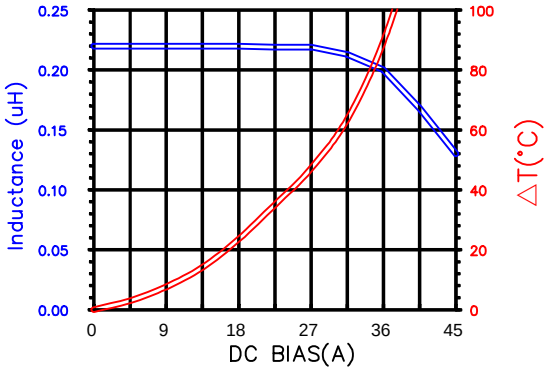
A	7.30	±	0.50
B	6.70	±	0.30
C	3.00	±	0.30
D	2.90	±	0.30
E	1.60	±	0.50



LAND PATTERNS FOR REFLOW SOLDERING







ELECTRICAL SPECIFICATION @ 25°C

	Min	Norm	Max
INDUCTANCE (uH) L @ 100 KHz/0.25V ±20%	0.176	0.220	0.264
DCR (Ω)			0.0028

Saturation Current [3] Isat (A)	40.00
Temperature Rise Current Irms [4] (A)	23.00

NOTES: UNLESS OTHERWISE SPECIFIED

1. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
2. OPERATION TEMPERATURE RANGE:
   −40°C~+125°C (INCLUDING SELF−HEATING) .
3. DEFINITION OF SATURATION CURRENT (ISAT):
   DC CURRENT AT WHICH THE INDUCTANCE DROPS APPROXIMATELY 25% FROM ITS VALUE WITHOUT CURRENT (Ta=25±5°C).
4. DEFINITION OF TEMPERATURE RISE CURRENT (IRMS):
   DC CURRENT THAT CAUSES THE TEMPERATURE RISE (△T ≤40°C) FROM 25°C AMBIENT.

DIMENSIONS ARE IN mm.

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REV	DESCRIPTION	DATE	INT
C	CHANGE NOTE 3	04/22/15	QIU
B	CHANGE NOTE 2.3.4	09/24/12	QIU
A	ORIGINAL DRAFT	06/27/12	QIU

PROJECT/PART NUMBER: MGV0603R22M−10	REV: C	PART TYPE: POWER INDUCTOR	DRAWN BY: QIU
DATE: 06/27/12	SCALE: NTS	SHEET: 1 of 1	
CAD #: MGV0603R22M−10−C	TOOL #: −		