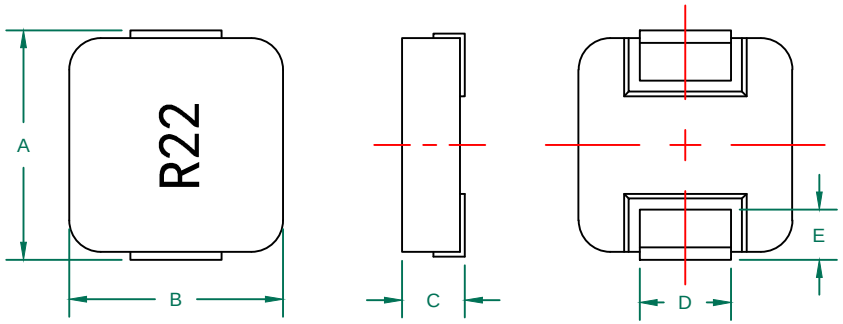
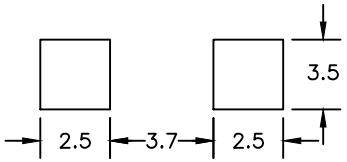
MGV0604R22M-15

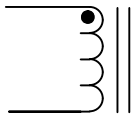
PHYSICAL DIMENSIONS:

A	7.30	±	0.50
B	6.70	±	0.30
C	4.00		MAX
D	2.90	±	0.30
E	1.60	±	0.50



LAND PATTERNS FOR REFLOW SOLDERING





RoHS

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 30% 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.
5. THIS PART IS AECQ200 QUALIFIED, IF TO USE IN AUTOMOTIVE APPLICATION, PLEASE CONSULT LAIRD AND LAIRD WILL INITIATE A NEW PART NUMBER.

ELECTRICAL SPECIFICATION @ 25°C

	Min	Norm	Max
INDUCTANCE (uH) L @ 100 KHz/0.25V ±20%	0.176	0.220	0.264
DCR (Ω)			0.001

Saturation Current [3] Isat (A)	36
Temperature Rise Current Irms [4] (A)	32

DIMENSIONS ARE IN mm.			
A	ORIGINAL DRAFT	05/16/17	QIU
REV	DESCRIPTION	DATE	INT

Laird

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
MGV0604R22M−15	A	POWER INDUCTOR	QIU

DATE:	SCALE:	SHEET:
05/16/17	NTS	1 of 1

CAD # MGV0604R22M−15 TOOL # −