



**THE DATASHEET OF
RL1220S-R15-F**



Design Supportive Data

Recommended land pattern (Dimension: mm)

Recommended land pattern A



| Series | a | b | c | d | Page | |
|-------------------------|---------|------|------|------|-------|----|
| RP1005, RL0510 | 0.5 | 1.9 | 0.7 | — | 17,19 | |
| RP1608, RL0816, RPH1608 | 0.7 | 3 | 1.6 | — | 17,19 | |
| RP2012, RL1220 | 1 | 4 | 2.4 | — | 17,19 | |
| RL3720 | 1.2 | 4.0* | 4.2 | — | 18 | |
| RL3720W | 1.2 | 4.0* | 7.9 | — | 18 | |
| RL7520W | 1.2 | 4.0* | 15.8 | — | 18 | |
| KRL1220 | 1.2 | 2.7 | 1.5 | — | 21 | |
| KRL1632 | (5~7m) | 1 | 4 | 1.9 | — | 21 |
| | (8m~) | 2.4 | | | | |
| KRL3264 | (5~7m) | 2.9 | 7.4 | 3.5 | — | 21 |
| | (8m~) | 4.4 | | | | |
| KRL2012 | (1m) | 0.1 | 2 | 2.2 | — | 21 |
| | (2m) | 0.4 | | | | |
| | (3m~) | 0.6 | | | | |
| KRL3216 | (1m) | 0.4 | 2.4 | 3.4 | — | 21 |
| | (2m) | 0.8 | | | | |
| | (3m~) | 1 | | | | |
| KRL6432 | (1m) | 0.9 | 4.2 | 6.6 | — | 21 |
| | (2m~) | 2.2 | | | | |
| KRL7638 | (1m) | 1.1 | 4.6 | 7.8 | — | 21 |
| | (2m~) | 2.6 | | | | |
| KRL9045 | (1m) | 1.3 | 5.1 | 9.2 | — | 21 |
| | (2m~) | 3.1 | | | | |
| KRL11050 | (1m) | 1.5 | 5.6 | 11.2 | — | 21 |
| | (2m~) | 3.6 | | | | |
| PRL0816 | 0.4 | — | 2 | 1 | 18 | |
| PRL1220 | 0.55 | — | 2.5 | 1.2 | 18 | |
| PRL1632 | 0.7 | — | 4 | 1.4 | 18 | |
| PRL3264 | 1.6 | — | 7.5 | 2 | 18 | |
| RL1632 | 1.1 | 4.7 | 1.7 | 1.8 | 19 | |
| RL3264 | 2.3 | 7.9 | 3.6 | 2.8 | 19 | |
| RL1632H | (1~4m) | — | 4.14 | 2.97 | 1.37 | 20 |
| | (5m~) | 1.4 | 5.2 | 1.78 | 1.9 | 20 |
| RL-3264-6C | — | 8 | 4 | 2 | 20 | |
| RL-3264-9V | (1~4m) | — | 7.37 | 3.68 | 3.05 | 20 |
| | (5~6m) | — | 7.4 | 3.68 | 2.11 | 20 |
| | (7~11m) | — | 7.36 | 3.68 | 1.8 | 20 |

*27mm, if heat dissipation is considered.

| Series | a | b | c | d | Page |
|--------------|------|------|---------|------|------|
| RN732X | 1.2 | — | 1.2 | 0.6 | 13 |
| RR1632 | 2.4 | — | 1.6 | 0.6 | 13 |
| RR2632 | 2.4 | — | 2.6 | 0.6 | 13 |
| PFR (GFR) 03 | 0.3 | 1 | 0.3~0.7 | — | 27 |
| PFR (GFR) 05 | 0.5 | 1.5 | 0.4~0.8 | — | 27 |
| EF2A51A | 0.46 | 1.22 | 0.55 | 0.38 | 36 |

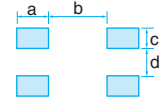
| Series | a | b | c | d | Page |
|---------------|-----|------|-----|---|------|
| PCAA031 (B) T | 1.1 | 3.5 | 1.3 | — | 24 |
| PCAA041B | 1.6 | 4.5 | 1.7 | — | 24 |
| PCMC042T | 2.2 | 5.2 | 2.5 | — | 24 |
| PCMC053T | 3 | 7 | 2.5 | — | 24 |
| PCMC (B) 063T | 3.7 | 7.4 | 3.5 | — | 23 |
| PCMC (B) 104T | 4.5 | 11.5 | 4 | — | 23 |
| PCMC133E | 8 | 14.5 | 5 | — | 23 |
| PCMC135T | 8 | 14.5 | 5 | — | 23 |

| Chip Size | a | b | c | d |
|-----------|------|------|------|---|
| 06*03 | 0.28 | 0.76 | 0.34 | — |
| 1.0*0.5 | 0.5 | 1.6 | 0.6 | — |
| 1.6*0.8 | 1 | 3 | 1.2 | — |
| 2.0*1.25 | 1.2 | 4 | 1.65 | — |
| 3.2*1.6 | 2.2 | 5 | 2 | — |

| Series | Page |
|-----------------------------------|------|
| RG Series | 8 |
| RGH Series | 12 |
| RR Series (except RR1632, RR2632) | 13 |
| RRS Series | 14 |

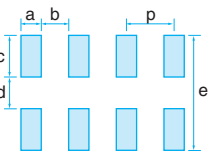
| Series | Page |
|------------|------|
| RT Series | 16 |
| TFL Series | 30 |
| HPL Series | 30 |
| HTC Series | 31 |

Recommended land pattern B



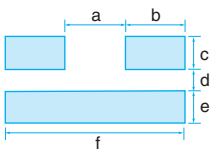
| Series | a | b | c | d | Page |
|-------------|-----|-----|-----|-----|------|
| RM2012 | 0.6 | 0.8 | 0.5 | 0.6 | 10 |
| RM3216 | 1.1 | 1.2 | 0.7 | 0.8 | 10 |
| RN1632B (C) | 1.2 | 1 | 0.8 | 0.8 | 15 |
| RL1632L4 | 1 | 2.2 | 1.1 | 0.5 | 22 |
| RL2550L4 | 3.4 | 2.6 | 1.8 | 0.7 | 22 |
| RL3264L4 | 4.2 | 2.2 | 2.4 | 0.8 | 22 |

Recommended land pattern C

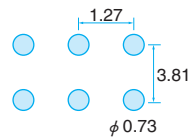


| Series | a | b | c | d | e | p | Page |
|-----------------------------------|----------|----------|-----|-----|---------|-------|------|
| RS064R | 0.2 | — | — | 0.3 | 0.9 | 0.4 | 25 |
| RS064R (K) | 0.2 | — | — | 0.3 | 0.9 | 0.5 | 25 |
| RS4N | 0.25 | — | — | 0.5 | 1.5~2.0 | 0.5 | 25 |
| RA1632 | 0.25~0.3 | 0.5~0.55 | 0.9 | 0.6 | — | — | 15 |
| RS062R (2 electrodes on one side) | 0.3 | — | — | 0.3 | 0.9 | 0.5 | 25 |
| RS2N (2 electrodes on one side) | 0.25 | — | — | 0.5 | 1.8 | 0.65 | 25 |
| RS8A (5 electrodes on one side) | 0.3 | — | — | 1 | 3.6 | 0.635 | 26 |
| RS8M (8 electrodes on one side) | 0.25 | — | — | 1 | 3.6 | 0.5 | 26 |

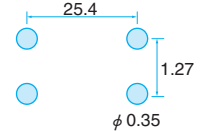
Recommended land pattern D



| Series | a | b | c | d | e | f | Page |
|----------|------|------|------|------|------|-----|------|
| PAT0510S | 0.18 | 0.21 | 0.35 | 0.37 | 0.35 | 0.6 | 38 |
| PAT0816 | 0.5 | 0.6 | 0.4 | 0.3 | 0.4 | 1.7 | 38 |
| PAT1220 | 0.7 | 0.8 | 0.7 | 0.5 | 0.7 | 2.3 | 38 |
| PAT1632 | 1.0 | 1.2 | 0.8 | 0.65 | 0.8 | 3.4 | 38 |
| PXV1220S | 0.7 | 0.3 | 0.7 | 0.5 | 0.7 | 2.3 | 37 |
| PBV1632S | 1.0 | 1.2 | 0.8 | 0.65 | 0.8 | 3.4 | 37 |
| RN1632A | 1.0 | 1.2 | 0.8 | 0.65 | 0.8 | 3.4 | 15 |

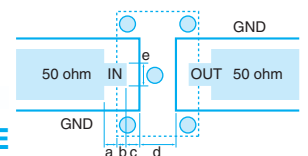


| Series | Page |
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| FL Series | 35 |



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| CL1L5 | 40 |
| CL2LA | 40 |

Recommended land pattern E



| Series | a | b | c | d | e | Page |
|----------|-----|------|-------|------|-----|------|
| TBF-0510 | 0.2 | 0.15 | 0.3 | 1.1 | 0.3 | 33 |
| TBF-1608 | 0.2 | 0.15 | 0.125 | 0.25 | 0.4 | 33 |
| TBF-2012 | 0.2 | 0.15 | 0.3 | 0.35 | 0.3 | 33 |

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