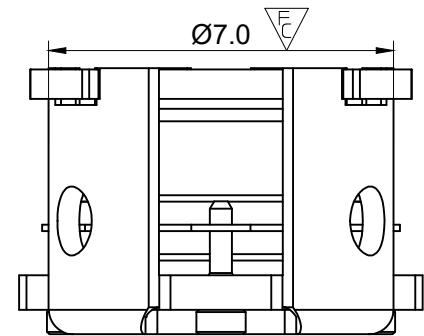
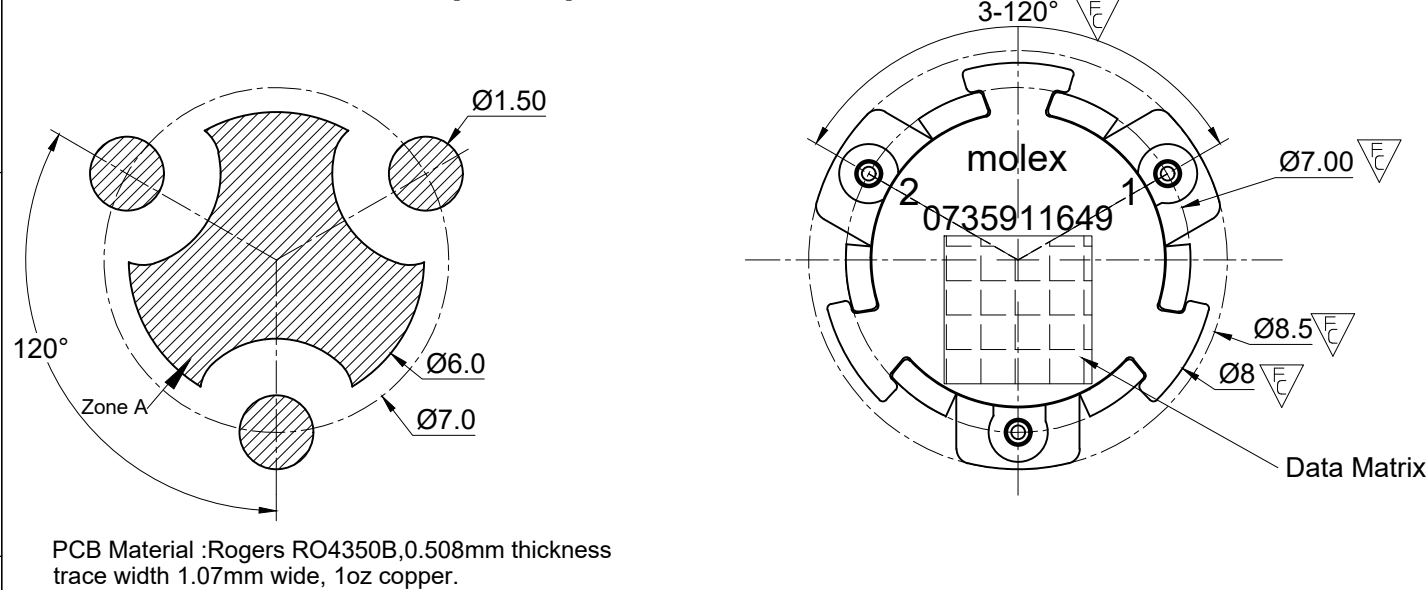


RECOMMENDED LAND PATTERN :  
Zone A must be attached to heat sink. Thermal conductivity  
of intermediate layers between Zone A and heat sink must  
be better than 0.1 W / [°C x mm].



## ELECTRICAL SPECIFICATIONS

|                               |                   |
|-------------------------------|-------------------|
| Frequency Range               | : 3700~3980 MHz   |
| Insertion Loss                | : 0.35 dB max     |
| Isolation                     | : 20 dB Min       |
| Return Loss                   | : 20 dB min       |
| Forward Power                 | : 20W             |
| Peak Power                    | : 200W            |
| Reverse Power                 | : 20W             |
| IMD(2.5W*2tones,1MHz Spacing) | :-60 dBc max      |
| Operating Temperature         | : -40°C to +105°C |
| Direction                     | : CCW             |

- NOTES:
- 1.STANDARD INPUT/OUTPUT IMPEDANCE 50 OHM
  - 2.LEAD FREE, NO ND MATERIAL, BEO FREE
  - 3.THE DIMENSION OF DATA MATRIX IS 3\*3MM INFORMATION INCLUDING  
WORK ORDER NUMBER-SERIAL NUMBER-MATERIAL NUMBER
  - 4.THIS PART COMPLIES WITH ALL ROHS REQUIREMENTS

PRE-RELEASE  
REFERENCE  
USE ONLY

ENG PART#: 812-370-398-YS130

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | CK | RELEASE DATE | 2020/12/14 | 06:58:57 |
|-----------------|----|--------------|------------|----------|

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DATE: 2019/06/12

|                                                                                                                                               |                                       |        |       |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------|-------|------------------------|----------------------------------------------------------|---------|--|-------|---------|-------------------------------------|--------|-------------|-----------------|--------|----------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |        |       |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
| FUNCTIONAL SYMBOLS<br><div><div>F</div>=0</div> <div><div>F</div>=0</div> <div><div>F</div>=0</div>                                           | DIMENSION UNITS                       |        | SCALE |                        | CURRENT REV DESC:<br>INITIAL RELEASE                     |         |  |       |         | <div>molex</div>                    |        |             |                 |        |          |  |              |  |
|                                                                                                                                               | MM                                    |        | 1:1   |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
|                                                                                                                                               | GENERAL TOLERANCES (UNLESS SPECIFIED) |        |       |                        | EC NO: ----<br>DRWN: SREN05<br>CHK'D: ----<br>APPR: ---- |         |  |       |         | SMSJ CIRCULATOR/3700~3980MHZ/CCW    |        |             |                 |        |          |  |              |  |
|                                                                                                                                               |                                       | mm     | INCH  |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
| DIVISIONAL SYMBOLS                                                                                                                            | 4 PLACES                              | ±0.005 | ±---- |                        | 2020/12/14                                               |         |  |       |         | RESTRICTED PRODUCT CUSTOMER DRAWING |        |             |                 |        |          |  |              |  |
|                                                                                                                                               | 3 PLACES                              | ±0.025 | ±---- |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
|                                                                                                                                               | 2 PLACES                              | ±0.13  | ±---- |                        | 2020/12/14                                               |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
|                                                                                                                                               | 1 PLACE                               | ±0.25  | ±---- |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
|                                                                                                                                               | 0 PLACES                              | ±0.4   | ±---- |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
| ANGULAR TOL ± 1.5 °                                                                                                                           |                                       |        |       | THIRD ANGLE PROJECTION |                                                          |         |  |       | DRAWING |                                     | SERIES |             | MATERIAL NUMBER |        | CUSTOMER |  | SHEET NUMBER |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |                                       |        |       |                        |                                                          |         |  |       |         |                                     |        |             |                 |        |          |  |              |  |
|                                                                                                                                               |                                       |        |       |                        |                                                          | A3-SIZE |  | 73591 |         | 0735911649                          |        | CUSTOM PART |                 | 1 OF 1 |          |  |              |  |