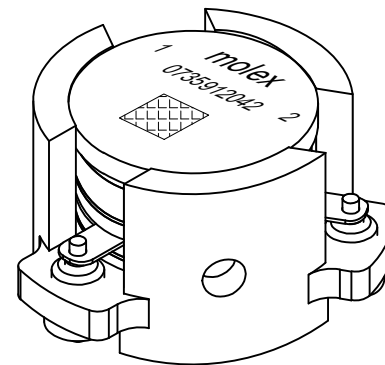
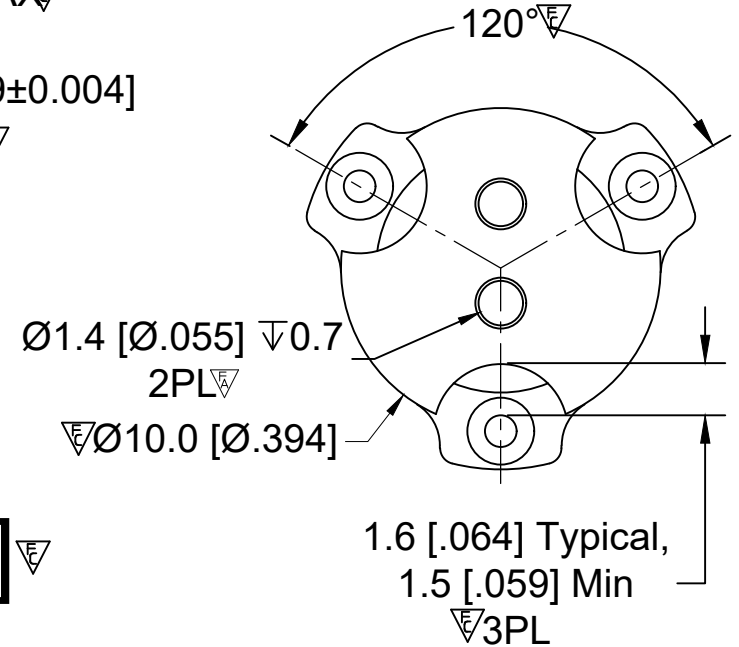
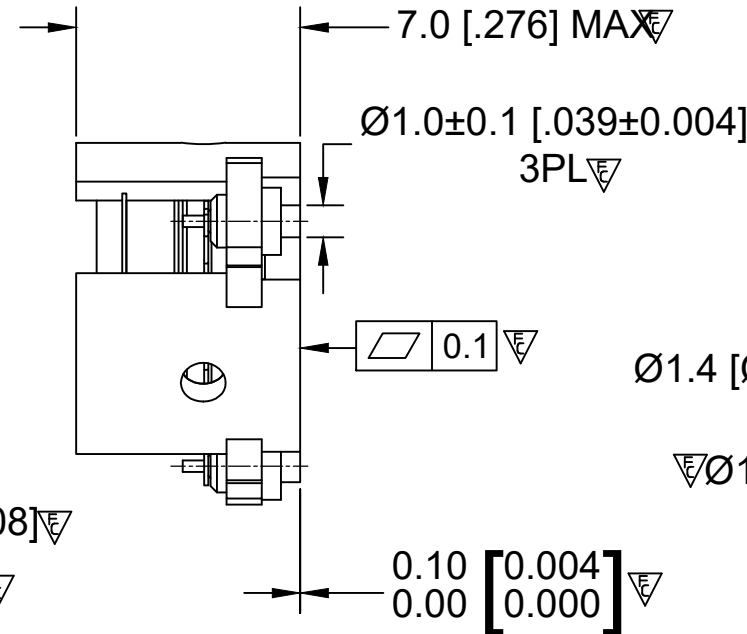
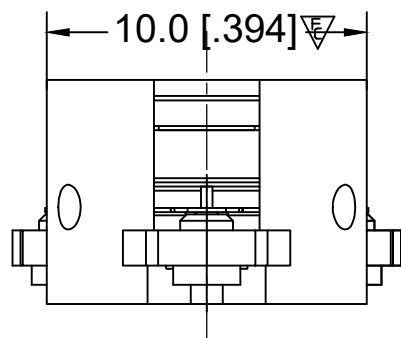
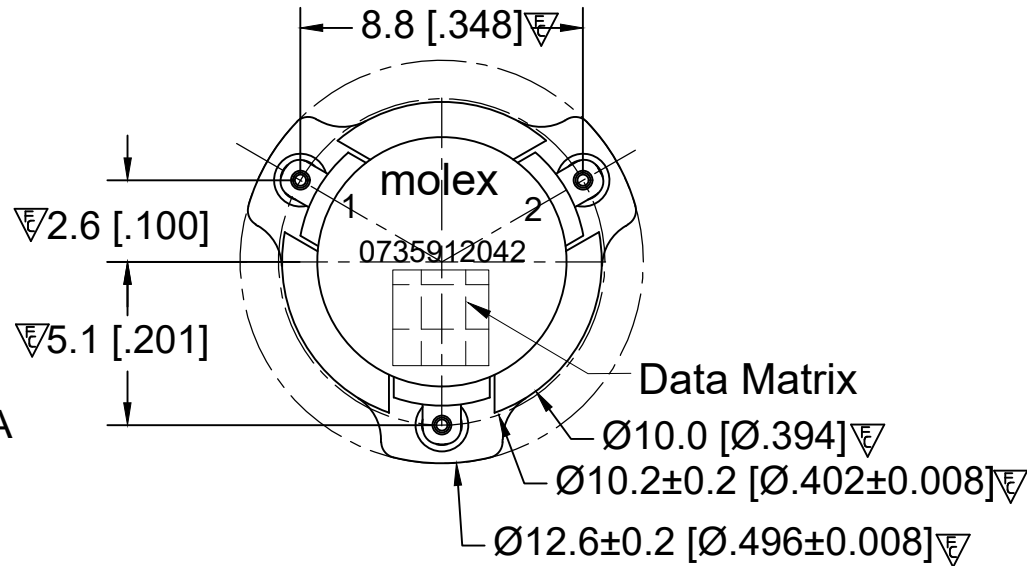
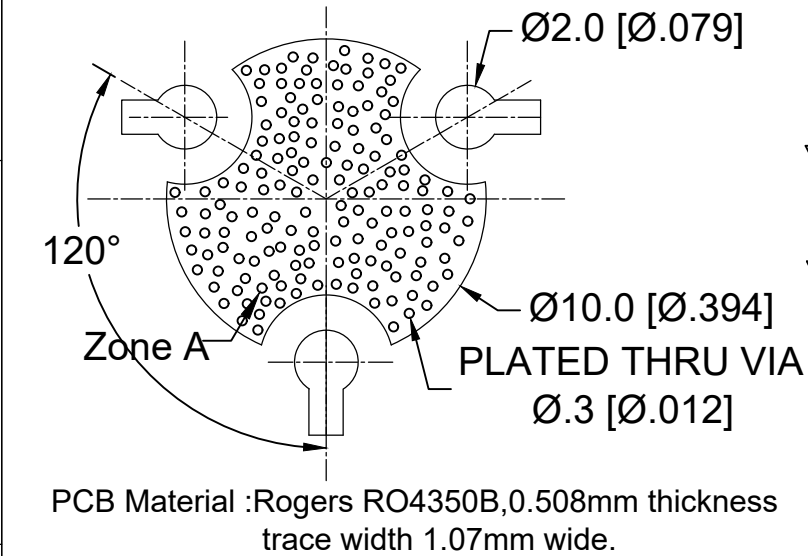


**RECOMMENDED LAND PATTERN :**  
Zone A must be attached to heat sink. Thermal conductivity of intermediate layers between Zone A and heat sink must be better than 0.1 W / [°C x mm].



BODY: CARBON STEEL, SILVER PLATED

RIGID PINS: COPPER, SILVER PLATED

NOTES:

- 1.STANDARD INPUT/OUTPUT IMPEDANCE 50 Ohm
- 2.LEAD FREE, NO Nd MATERIAL, BeO FREE
- 3.THE DIMENSION OF DATE MATRIX IS 3X3MM INFORMATION INCLUDING WORK ORDER NUMBER-SERIAL NUMBER-MATERIAL NUMBER
- 4.THIS PART COMPLIES WITH ALL RoHS REQUIREMENTS

## ELECTRICAL SPECIFICATION :

Frequency Range : 5150~5925 MHz  
Insertion Loss : 0.40 dB max,0.35 dB Typical  
Isolation : 19 dB min, 20 dB Typical  
Return Loss : 19 dB min, 20 dB Typical  
IMD3(2x1W CW tones,1MHz spacing): -60dBc max  
Average power: : 50W  
Peak Power: : 200W  
Operating Temperature : -40°C to +105°C  
Storage Temperature : -55°C to +125°C  
Direction : CW

ENG PART#:802-515-592-VP040

|                                                      |                                                                                                                                               |          |                                                                                                                 |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|--|---------------------|----------------------------------|-----------------------------------|-----------------|---------------------------------|-----------------|----------------------------|--------------------|--|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |                                                                                                                 |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
|                                                      | DIMENSION UNITS                                                                                                                               |          | SCALE                                                                                                           |       | CURRENT REV DESC:<br><br>CHANGE ECTR RESTRICTED ***                                                |  |                     | <div>molex</div>                 |                                   |                 |                                 |                 |                            |                    |  |
|                                                      | MM                                                                                                                                            |          | 1:1                                                                                                             |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
|                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |          |                                                                                                                 |       | EC NO: 702316<br>DRWN: SREN05 2022/04/20<br>CHK'D: WWANG99 2022/04/21<br>APPR: HWANG186 2022/04/22 |  |                     |                                  |                                   |                 | SMSJ CIRCULATOR/5150~5925MHZ/CW |                 |                            |                    |  |
|                                                      |                                                                                                                                               | mm       | INCH                                                                                                            |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
|                                                      | 4 PLACES                                                                                                                                      | ±0.005   | ±----                                                                                                           |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
|                                                      | 3 PLACES                                                                                                                                      | ±0.025   | ±----                                                                                                           |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
|                                                      | 2 PLACES                                                                                                                                      | ±0.13    | ±----                                                                                                           |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
|                                                      | DIVISIONAL SYMBOLS                                                                                                                            | 1 PLACE  | ±0.2                                                                                                            | ±---- | INITIAL REVISION:<br>DRWN: SREN05 2021/11/15<br>APPR: HWANG186 2022/03/01                          |  |                     | DOCUMENT NUMBER<br><br>735912042 |                                   | DOC TYPE<br>PSD |                                 | DOC PART<br>000 |                            | REVISION<br><br>A1 |  |
|                                                      |                                                                                                                                               | 0 PLACES | ±0.4                                                                                                            | ±---- |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
| ANGULAR TOL ± 1.5 °                                  |                                                                                                                                               |          |                                                                                                                 |       |                                                                                                    |  |                     |                                  |                                   |                 |                                 |                 |                            |                    |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |          | THIRD ANGLE PROJECTION<br> |       | DRAWING<br><br>A3-SIZE                                                                             |  | SERIES<br><br>73591 |                                  | MATERIAL NUMBER<br><br>0735912042 |                 | CUSTOMER<br><br>GENERAL MARKET  |                 | SHEET NUMBER<br><br>1 OF 1 |                    |  |