

E

E

D

D

C

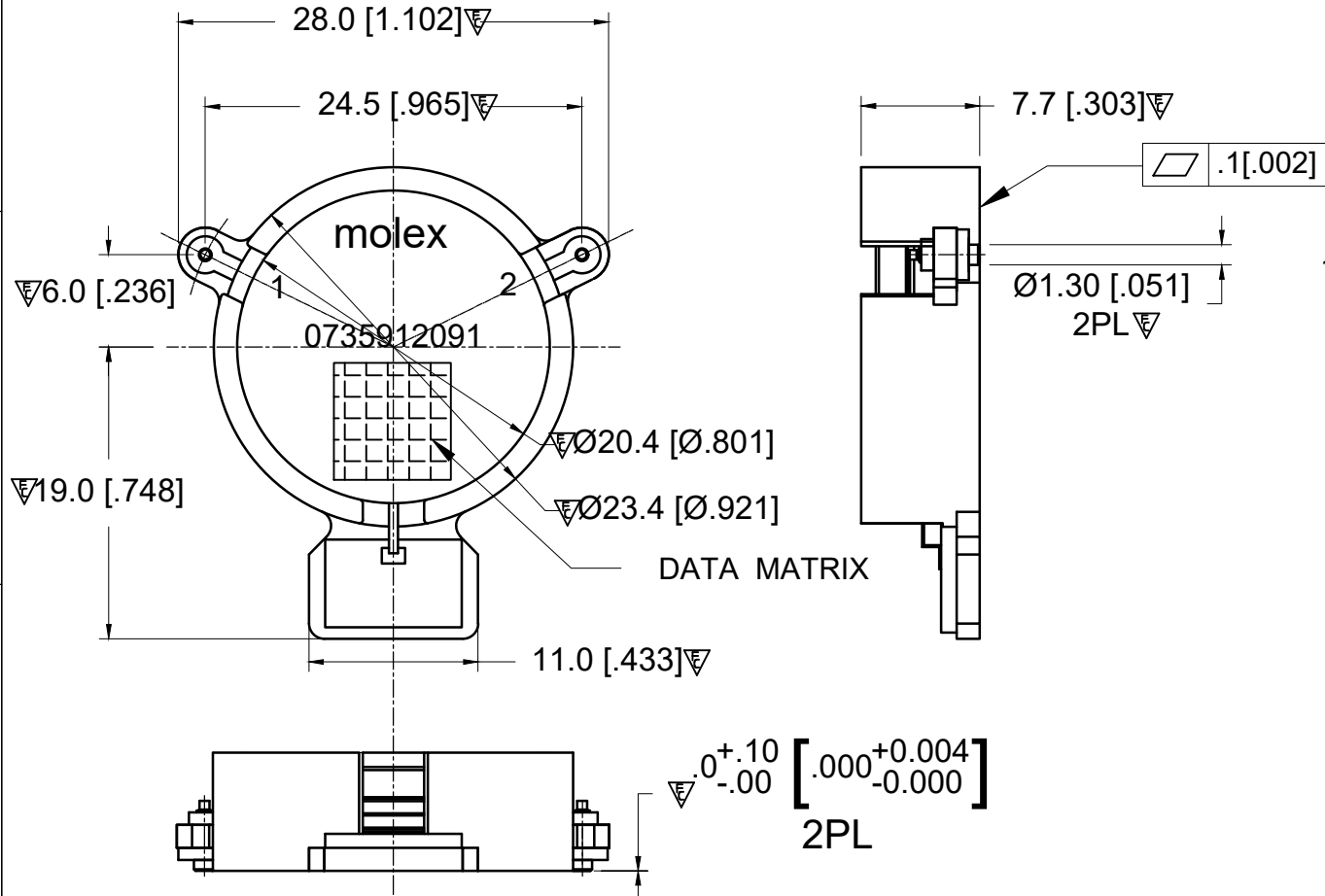
C

B

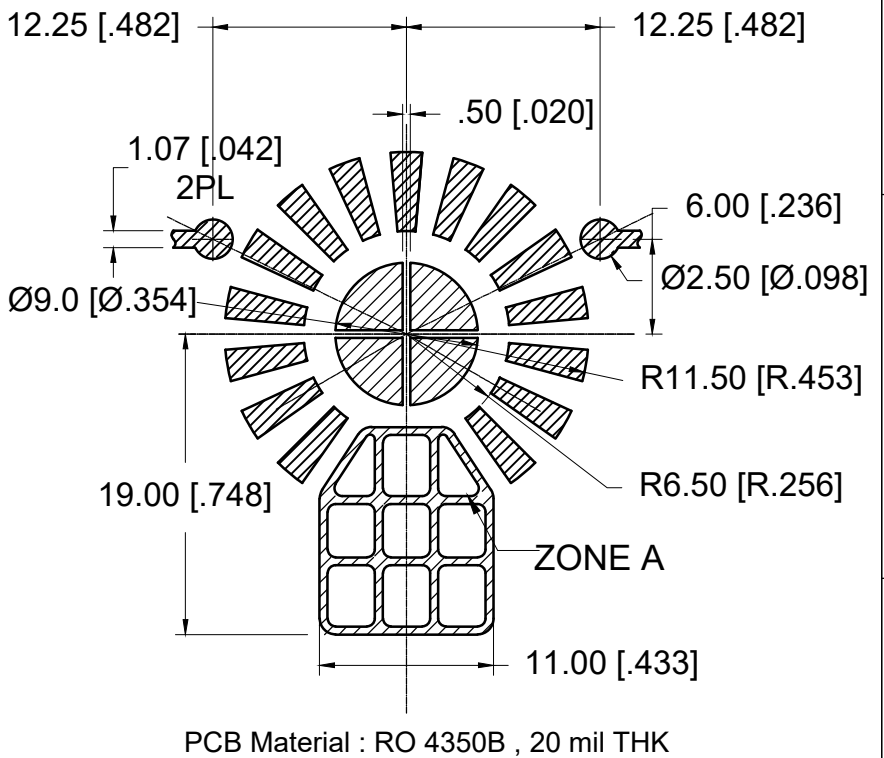
B

A

A



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 SPECIFICATION :

Frequency range : 617 to 652 MHz
Input power : 100 W
Input power(peak): 1300 W
Reflected power : 80 W
Isolation : 20 dB Min
Return Loss : 20 dB Min
Insertion Loss : 0.35 dB Max
Intermodulation distortion, IM3(2 x 40 W) : -65dBc Max
IM5(2 x 40 W) : -79dBc Max
Harmonics: 2 x f(80W CW) : 0dBm Max
3-4 x f (80W CW) : -10dBm Max
5 x f (80W CW) : -35dBm Max
6-7 x f (80W CW) : -25dBm Max
Operating temperature range : -40°C to +125°C
Storage temperature range : -40°C to +125°C
Direction : CW

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 7.6X7.6MM INFORMATION INCLUDING WORK ORDER NUMBER-SERIAL NUMBER-MATERIAL NUMBER
4.THIS PART COMPLIES WITH ALL RoHS REQUIREMENTS

ENG PN#: 801-061-065-WB040

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: RELEASE TO PROD			molex					
	MM		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
		mm	INCH		EC NO: 696580 DRWN: SREN05 2022/02/21 CHK'D: JLI252 2022/02/23 APPR: HWANG186 2022/03/01			SMSJ ISOLATOR/617-652MHZ/CW					
	4 PLACES	±0.005	±----										
	3 PLACES	±0.025	±----										
	2 PLACES	±0.13	±----										
	1 PLACE	±0.25	±----										
	DIVISIONAL SYMBOLS	0 PLACES	±0.4	±----		INITIAL REVISION: DRWN: SREN05 2021/12/08 APPR: HWANG186 2022/03/01			RESTRICTED PRODUCT CUSTOMER DRAWING				
ANGULAR TOL ± 1.5 °													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		73591		0735912091		COSTOM PART		1 OF 1	