



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	: 859~894 MHz
Input Power	: 100 W
Input Power , Peak	: 1300 W
Reflected Power	: 80 W
Isolation (Within frequency range, Port 2 to 1)	: 22 dB Min
Return Loss (Measured at Port 1 and Port 2)	: 23 dB Min (0°C~125°C) : 20 dB Min (-40°C~0°C)
Insertion Loss (Within frequency range, Port 1 to 2)	: 0.25 dB Max
Inter modulation distortion, IM3(2 x 50 W)	: -69 dBc Max
IM5(2 x 50 W)	: -79 dBc Max
Harmonics:	2 x f(100W CW) : 0 dBm Max
	3-4 x f (100W CW) : -10 dBm Max
	5 x f (100W CW) : -35 dBm Max
	6-7 x f (100W CW) : -25 dBm Max
Operating Temperature Range	: -40°C to +125°C
Storage Temperature Range	: -40°C to +125°C
Direction	: CCW

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#: 811-085-089-WB040

FUNCTIONAL SYMBOLS FA=0 FB=0 FC=0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: CHANGE ECTR RESTRICTED ***		molex						
	DIMENSION UNITS	SCALE							SMSJ ISOLATOR/859~894 MHZ/CCW		
	MM	1:1	EC NO: 702316		PRODUCT CUSTOMER DRAWING						
	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: SREN05 2022/04/20		DOCUMENT NUMBER						
		CHK'D: WWANG99 2022/04/21		735912100		DOC TYPE		DOC PART		REVISION	
		APPR: HWANG186 2022/04/22		INITIAL REVISION:		PSD 000		A1			
DIVISIONAL SYMBOLS		DRWN: SREN05 2021/12/09		APPR: HWANG186 2022/03/01		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
4 PLACES ±0.005 ±----		ANGULAR TOL ± 1.5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		0735912100		GENERAL MARKET		1 OF 1	
3 PLACES ±0.025 ±----		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
2 PLACES ±0.13 ±----		A3-SIZE		73591		0735912100		GENERAL MARKET		1 OF 1	
1 PLACE ±0.25 ±----											
0 PLACES ±0.4 ±----											