



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].

PCB Material : RO 4350B , 20 mil THK

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	: 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#: 801-085-089-WB040

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			molex		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:			
$F_A=0$	MM	1:1	CHANGE ECTR RESTRICTED ***	SMSJ ISOLATOR/859~894 MHZ/CW		
$F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$F_D=0$		mm	INCH	PRODUCT CUSTOMER DRAWING		
DIVISIONAL SYMBOLS	4 PLACES	±0.005	±----			
	3 PLACES	±0.025	±----	EC NO: 702316	DOCUMENT NUMBER	
	2 PLACES	±0.13	±----	DRWN: SREN05		
	1 PLACE	±0.25	±----	CHK'D: WWANG99	PSD 000	REVISION
	0 PLACES	±0.4	±----	APPR: HWANG186	A1	
	ANGULAR TOL ± 1.5 °			INITIAL REVISION:		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRWN: SREN05	2021/12/08	
	THIRD ANGLE PROJECTION			APPR: HWANG186	2022/03/01	
	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
	A3-SIZE	73591	0735912099	GENERAL MARKET	1 OF 1	