



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 FP=0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: RELEASE TO PROD		molex					
	DIMENSION UNITS	SCALE							SMSJ ISOLATOR/859~894 MHZ/CCW	
	MM	1:1	GENERAL TOLERANCES (UNLESS SPECIFIED)		RESTRICTED PRODUCT CUSTOMER DRAWING					
	DIVISIONAL SYMBOLS		mm	INCH	EC NO: 696580	DRWN: SREN05	2022/02/21	DOCUMENT NUMBER	DOC TYPE	DOC PART
4 PLACES	±0.005	±----	±----	CHK'D: JLI252	2022/02/23		735912100	PSD 000	A	
3 PLACES	±0.025	±----	±----	APPR: HWANG186	2022/03/01					
2 PLACES	±0.13	±----	±----	INITIAL REVISION:						
1 PLACE	±0.25	±----	±----	DRWN: SREN05	2021/12/09					
0 PLACES	±0.4	±----	±----	APPR: HWANG186	2022/03/01					
ANGULAR TOL ± 1.5 °		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		A3-SIZE	73591	0735912100	CUSTOM PART	1 OF 1		