



**ELECTRICAL SPECIFICATION :**  
 Frequency range : 925 to 960 MHz  
 Input power : 130 W  
 Input power , peak: 2250 W  
 Reflected power : 80 W  
 Isolation (within frequency range, port 2 to 1) : 23 dB Min  
 Return loss (Measured at port 1 and port 2) : 23 dB Min (0°C-115°C)  
 (Measured at port 1 and port 2) : 20 dB Min (-40°C-0°C)  
 Insertion loss (within frequency range, port 1 to 2) : 0.20 dB Max  
 Intermodulation 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 x f (100W CW) : -25 dBm Max  
 Operating temperature range: -40°C to +115°C  
 Storage temperature range : -40°C to +115°C  
 Direction: CCW

**BODY: STEEL, SILVER PLATED**  
**RIGID PINS: COPPER, SILVER PLATED**  
**NOTES :**  
 1. LEAD FREE, NO ND MATERIAL, BEO FREE  
 2. ALL PARAMETERS ARE SPECIFIED IN OPERATING TEMP. RANGE  
 3. THE DIMENSION OF THE DATA MATRIX IS 7.6MM\*7.6MM, INFORMATION INCLUDED WORK ORDER NUMBER-SERIAL NUMBER-MATERIAL NUMBER  
 4. THIS PART COMPLIES WITH ALL ROHS REQUIREMENTS

**ENG PART#: 811-092-096-WB040**

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		<b>molex</b>
	DIMENSION UNITS	SCALE	RELEASE TO PROD		
E/A=0	MM	1:1	EC NO: 696580		SMSJ ISOLATOR/925~960 MHZ/CCW
	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: SREN05	2022/02/21	
E/P=0	mm INCH		CHK'D: JLI252	2022/02/23	RESTRICTED PRODUCT CUSTOMER DRAWING
	4 PLACES ±0.005 ±----	±----	APPR: HWANG186	2022/03/01	
E/P=0	3 PLACES ±0.025 ±----	±----	INITIAL REVISION:		DOCUMENT NUMBER
	2 PLACES ±0.13 ±----	±----	DRWN: SREN05	2021/12/09	735912102
1 PLACE ±0.25 ±----	±----	APPR: HWANG186	2022/03/01	PSD	000
0 PLACES ±0.4 ±----	±----	ANGULAR TOL ± 1.5 °		A	REVISION
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
				A3-SIZE	73591
				MATERIAL NUMBER	CUSTOMER
				0735912102	COSTOM PART
					SHEET NUMBER
					1 OF 1