



**ELECTRICAL SPECIFICATIONS :**  
 Frequency range : 791 to 821 MHz  
 Input power : 130 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-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) : 0.25 dB Max  
 Intermodulation distortion, IM3(2 x 50 W) : -65 dBc Max  
 IM5(2 x 50 W) : -79 dBc Max  
 Harmonics: 2 x f (100W CW) : 0dBm Max  
 3-4 x f (100W CW) :-10 dBm Max  
 5 x f (100W CW) :-35dBm Max  
 6-7 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: 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#: 811-079-082-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	CHANGE ECTR RESTRICTED ***		
▽=0	MM	1:1			SMSJ ISOLATOR/791-821MHZ/CCW
▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽=0		mm	INCH	EC NO: 702316	PRODUCT CUSTOMER DRAWING
	4 PLACES	±0.005	±----	DRWN: SREN05 2022/04/20	
	3 PLACES	±0.025	±----	CHK'D: WWANG99 2022/04/21	DOCUMENT NUMBER
	2 PLACES	±0.13	±----	APPR: HWANG186 2022/04/22	
DIVISIONAL SYMBOLS	1 PLACE	±0.25	±----	INITIAL REVISION:	735912098
	0 PLACES	±0.4	±----	DRWN: SREN05 2021/12/09	
	ANGULAR TOL ± 1.5 °		APPR: HWANG186 2022/03/01	DOC TYPE	DOC PART
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	REVISION
			A3-SIZE	SERIES	73591
				MATERIAL NUMBER	0735912098
				CUSTOMER	GENERAL MARKET
				SHEET NUMBER	1 OF 1