



**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: 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#: 801-079-082-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	RELEASE TO PROD		
▽=0	MM	1:1	EC NO: 696580		SMSJ ISOLATOR/791~821MHZ/CW
▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: SREN05 2022/02/21		
▽=0	mm INCH		CHK'D: JLI252 2022/02/23		RESTRICTED PRODUCT CUSTOMER DRAWING
DIVISIONAL SYMBOLS	4 PLACES ±0.005 ±----		APPR: HWANG186 2022/03/01		
	3 PLACES ±0.025 ±----		INITIAL REVISION:		DOCUMENT NUMBER
	2 PLACES ±0.13 ±----		DRWN: SREN05 2021/12/08		735912097
	0 PLACES ±0.4 ±----		APPR: HWANG186 2022/03/01		PSD 000 A
	ANGULAR TOL ± 1.5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING
			A3-SIZE	SERIES	MATERIAL NUMBER
				73591	0735912097
				CUSTOMER	CUSTOM PART
					SHEET NUMBER
					1 OF 1