



**ELECTRICAL SPECIFICATIONS :**

Frequency Range : 753 to 803 MHz  
 Input Power : 130 W  
 Input Power, Peak : 1300 W  
 Reflected power : 80 W  
 Isolation : 22 dB Min  
 Return Loss (Measured at port 1 and port 2) : 22 dB Min (0°C-115°C)  
 (Measured at port 1 and port 2) : 20 dB Min (-40°C-0°C)  
 Return Loss P4 : 20 dB Min  
 Insertion Loss (within frequency range, port 1 to 2) : 0.30 dB Max  
 Intermodulation distortion, IM3(2 x 50 W) : -65 dBc Max  
 IM5(2 x 50 W) : -75 dBc Max  
 Harmonics: 2 x f(100W CW) : 0dBm 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 +115°C  
 Storage temperature range : -40°C to +125°C  
 Direction : CW

BODY: STEEL, SILVER PLATED  
 ISOLATOR WITHSTANDS LEAD FREE SOLDERING PROCESS  
 WITH MAXIMUM TEMPERATURE +260°C, 10 Sec.

- NOTES :**
- STANDARD INPUT/OUTPUT IMPEDANCE 50 Ohm
  - LEAD FREE, NO Nd MATERIAL, BeO FREE
  - THE DIMENSION OF DATA MATRIX IS 7.6X7.6MM INFORMATION INCLUDING WORK ORDER NUMBER-SERIAL NUMBER-MATERIAL NUMBER
  - THIS PART COMPLIES WITH ALL RoHS REQUIREMENTS

**ENG PART#: 808-075-080-WR040**

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/753~803 MHZ/CW			
	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	DOC TYPE	DOC PART	REVISION	
	2 PLACES ±0.13 ±----	DRWN: SREN05 2021/11/12						735912054
1 PLACE ±0.25 ±----	ANGULAR TOL ± 1.5 °		APPR: HWANG186 2022/03/01					
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
				A3-SIZE	73591	0735912054	CUSTOM PART	1 OF 1