



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:		molex
	DIMENSION UNITS	SCALE	RELEASE TO PROD		
E=0	MM	1:1	EC NO: 696580		SMSJ ISOLATOR/753~803 MHZ/CW
	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: SREN05	2022/02/21	
E=0	mm INCH		CHK'D: JLI252	2022/02/23	RESTRICTED PRODUCT CUSTOMER DRAWING
	4 PLACES ±0.005 ±----		APPR: HWANG186	2022/03/01	
E=0	3 PLACES ±0.025 ±----		INITIAL REVISION:		DOCUMENT NUMBER
	2 PLACES ±0.13 ±----		DRWN: SREN05	2021/11/12	
DIVISIONAL SYMBOLS	1 PLACE ±0.25 ±----		APPR: HWANG186	2022/03/01	DOC TYPE
	0 PLACES ±0.4 ±----		ANGULAR TOL ± 1.5 °		PSD
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			A3-SIZE	73591	MATERIAL NUMBER
				0735912054	CUSTOMER
					SHEET NUMBER
					1 OF 1