



**RECOMMENDED LAND PATTERN :**  
 Zone A must be attached to heat sink. Thermal conductivity of intermediate layers between Zone A and heat sink must be better than 0.1 W / [°C x mm].

**ELECTRICAL SPECIFICATION :**  
 Frequency Range : 717 to 756 MHz  
 Input power : 100 W  
 Input power , peak : 1300 W  
 Reflected power : 80 W  
 Isolation : 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) : -10dBm Max  
 5 x f (100W CW) : -35dBm Max  
 6-7 x f (100W CW) : -25dBm Max  
 Operating temperature range : -40°C to +115°C  
 Storage temperature range : -40°C to +125°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#: 801-071-076-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: RELEASE TO PROD		<b>molex</b>		
	DIMENSION UNITS	SCALE					
$F_A=0$	MM	1:1	GENERAL TOLERANCES (UNLESS SPECIFIED)		SMSJ ISOLATOR/717~756MHZ/CW		
$F_E=0$							
DIVISIONAL SYMBOLS			EC NO: 696580		RESTRICTED PRODUCT CUSTOMER DRAWING		
	4 PLACES	±0.005 ±----	DRWN: SREN05	2022/02/21			
	3 PLACES	±0.025 ±----	CHK'D: JLI252	2022/02/23			
	2 PLACES	±0.13 ±----	APPR: HWANG186	2022/03/01			
	1 PLACE	±0.25 ±----	INITIAL REVISION:				
0 PLACES	±0.4 ±----	DRWN: SREN05	2021/12/08	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
ANGULAR TOL ± 1.5 °		APPR: HWANG186	2022/03/01	735912093	PSD 000	A	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A3-SIZE	73591	0735912093	COSTOM PART	1 OF 1