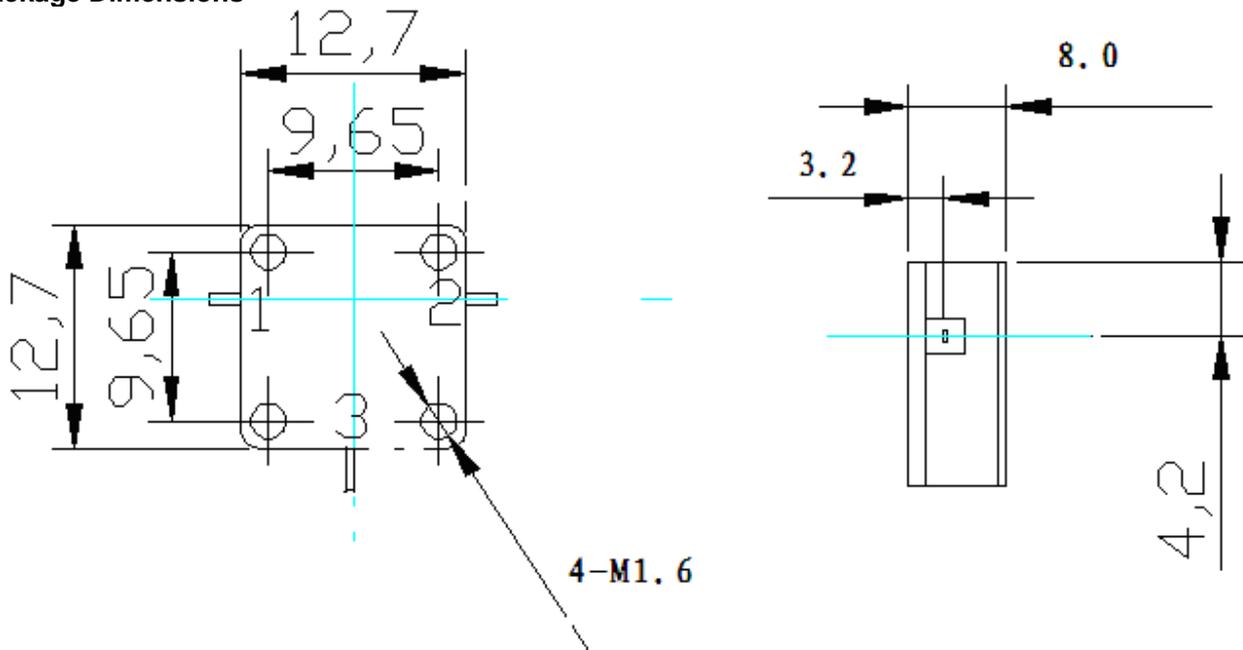


**Features**

- Microwave Circulators and Isolators for base station
- Metal Package for **drop in** Technology
- Lead-free Production and **RoHS** Compliance

**Package Dimensions**



Marking	Top View, Laser Marking					
		"ND":	Manufacturer's mark			"C":
"9048":		Part number				Conduct Direction
"I"		IN	"O"	OUT	"L"	LOAD
		1.71-1.785GHz : operating Frequency Range				
"*":		Lot number (the first two numbers of years and the last two numbers of weeks)				

**Maximum Ratings**

Rating		Value	Unit
Peak Power	$P_{PX}$	100	W
Average Power	$P_{PX}$	60	W
Operating Temperature Range	$T_A$	-40 ~ +85	°C

**Electrical Characteristics**

Reference temperature:  $T_A = 25\text{ °C}$   
 Terminating source impedance:  $Z_S = 50\ \Omega$   
 Terminating load impedance:  $Z_L = 50\ \Omega$

Characteristic		Min.	Typ.	Max.	Unit
Working frequency	$f_c$	1.71		1.785	GHz
Insertion attenuation	$IL$	—	—	0.3	dB
Isolation		20	—	—	dB
Input VSWR		20	—		dB
Output VSWR		20	—		dB

 **RoHS Compliant**

 **Electrostatic Sensitive Device**

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Our liability is only assumed for the circulator and isolator component(s) per se, not for applications, processes and circuits implemented within components or assemblies.

For questions on technology, prices and delivery, please contact our sales offices or e-mail [winnsky@winnsky.com](mailto:winnsky@winnsky.com).