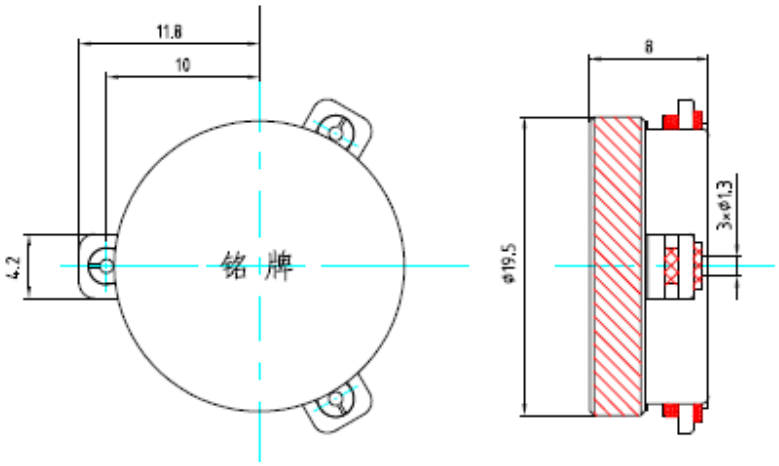
Features

- Microwave Circulators and Isolators for base station
- Metal Package for **S**urface **M**ounted **T**echnology (**SMT**)
- Lead-free Production and **RoHS** Compliance

Package Dimensions



Marking	Top View, Laser Marking							
I → O 2.10~2.18 GHZ NDC9007 * L	"**ND**":	Manufacturer's mark					"**C**":	Circulator
	"**9007**":	Part number					" • ":	Terminal 1
	"I"	IN	"O"	OUT	"L"	LOAD	⇨	Conduct Direction
		2.10～2.18GHz ： operating Frequency Range						
	"＊":	Lot number (The code shown below varies in a 4-year cycle)						

Code	1	2	3	4	5	6	7	8	9	10	11	12
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z
2011	a	b	c	d	e	f	g	h	i	j	k	m
2012	n	p	q	r	s	t	u	v	w	x	y	z
2013	A	B	C	D	E	F	G	H	J	K	L	M

Maximum Ratings

Rating		Value	Unit
Source Power	P	80	W
DC Voltage	V_{DC}	10	V
Operating Temperature Range	T_A	-40 ~ +85	°C
Storage Temperature Range	T_{stg}	-40 ~ +85	°C

Electrical Characteristics

Reference temperature: T_A = 25 ℃
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

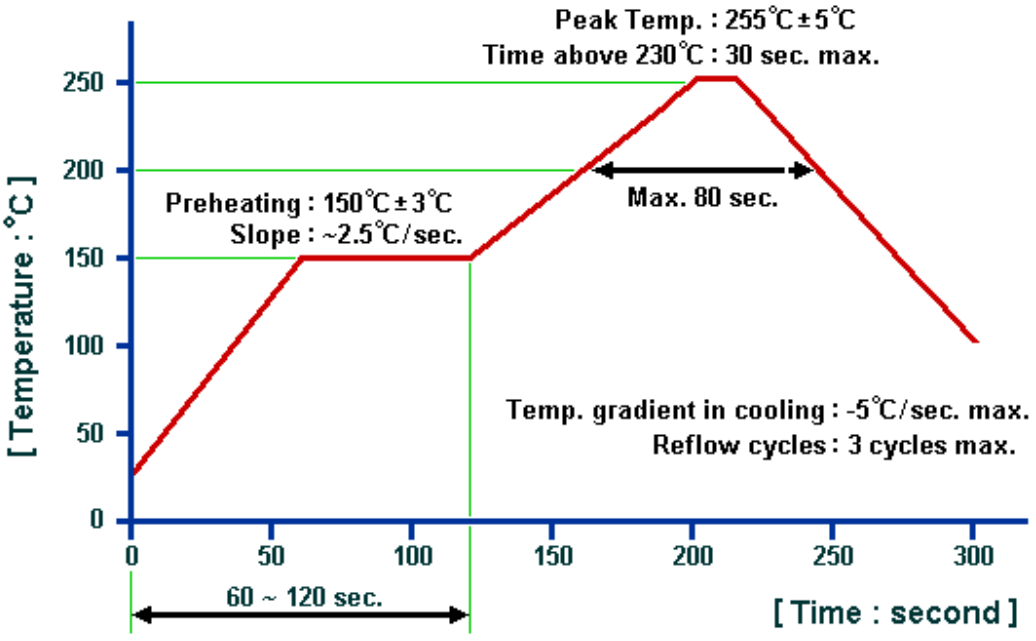
Characteristic		Min.	Typ.	Max.	Unit
Working frequency	f_C	2.10		2.18	GHz
Insertion attenuation fc± 40 MHz	*IL*	—	0.20	0.28	dB
Isolation fc± 40 MHz		25	27	—	dB
Input return Loss fc± 40 MHz		23.0	26.0		
Output return fc± 40MHz		23.0	26.0		

RoHS Compliant **Electrostatic Sensitive Device**

Maximum Ratings

Rating		Value	Unit
Source Power	*P*	60	W
DC Voltage	V_{DC}	100	V
Operating Temperature Range	T_A	-40~ +85	°C
Storage Temperature Range	T_{stg}	-40 ~ +85	°C

Recommended Soldering Profile



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.