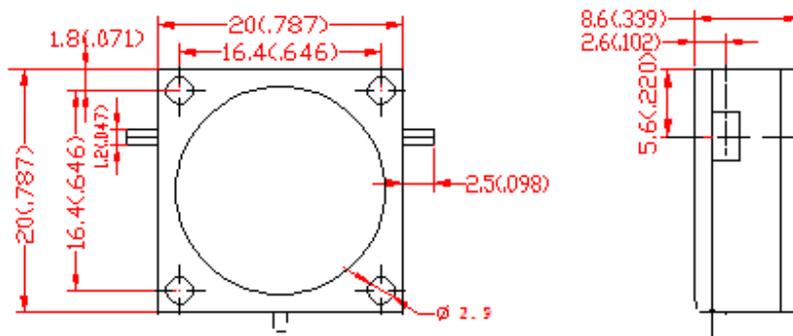


**Features**

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

**Package Dimensions**



<p><b>Marking</b></p>	Top View, Laser Marking							
	"ND":		Manufacturer's mark			"C":		Circulator
	"9083":		Part number					Conduct Direction
	"I"	IN	"O"	OUT	"L"	LOAD		
	935-960MHz : operating Frequency Range							
	"*":		Lot number (the first two numbers of years and the last two numbers of weeks)					

Code	1	2	3	4	5	6	7	8	9	10	11	12
2015	a	b	c	d	e	f	g	h	i	j	k	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	R	S	T	U	V	W	X	Y	Z

**Maximum Ratings**

Rating	Value	Unit	
Average Power	$P_{PX}$	60	W
Operating Temperature Range	$T_A$	-40 ~ +75	°C

**Electrical Characteristics**

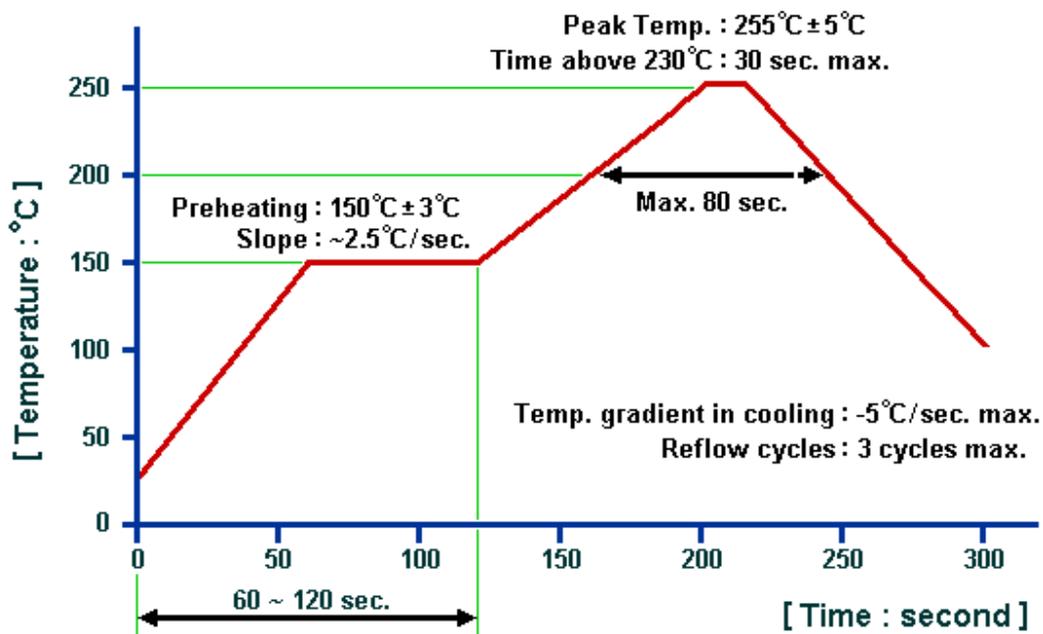
Reference temperature:  $T_A = 25\text{ }^\circ\text{C}$   
 Terminating source impedance:  $Z_S = 50\ \Omega$   
 Terminating load impedance:  $Z_L = 50\ \Omega$

Characteristic		Min.	Typ.	Max.	Unit
Working frequency	$f_c$	935		960	MHz
Insertion attenuation	$IL$	—	—	0.30	dB
Isolation		23	—	—	dB
Input VSWR		21	—		dB
Output VSWR		21	—		dB

RoHS Compliant

Electrostatic Sensitive Device

**Recommended Soldering Profile**



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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).