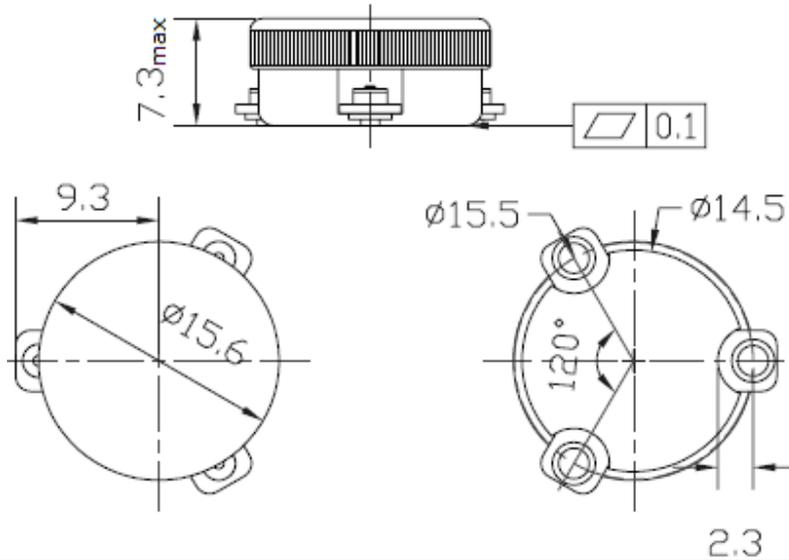


Features

- Microwave Circulators and Isolators for base station
- Metal Package for **Surface Mounted Technology (SMT)**
- Lead-free Production and **RoHS** Compliance

Package Dimensions



<p style="text-align: center;">Marking</p>	Top View, Laser Marking					
	"ND":	Manufacturer's mark			"C":	Circulator
	"9028L":	Part number				Conduct Direction
	"I"	IN	"O"	OUT	"L"	LOAD
		2.500-2.700GHz : operating Frequency Range				
	"*":	Lot number (the first two numbers of years and the last two numbers of weeks)				

Maximum Ratings

Rating		Value	Unit
Average Power	P_{AVG}	80	W
Peak Power	P_{PX}	200	W
Operating Temperature Range	T_A	-40 ~ +90	°C
Storage Temperature Range	T_{stg}	-55 ~ +125	°C

Electrical Characteristics

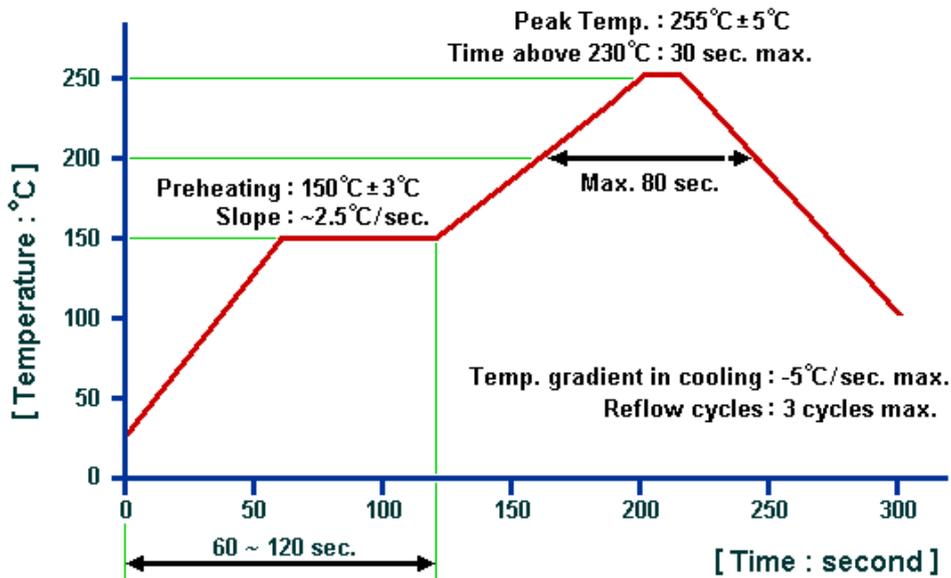
Reference temperature: $T_A = 25\text{ }^\circ\text{C}$
 Terminating source impedance: $Z_S = 50\ \Omega$
 Terminating load impedance: $Z_L = 50\ \Omega$

Characteristic		Min.	Typ.	Max.	Unit
Center frequency	f_c	2.500		2.700	GHz
Insertion attenuation	IL	—		0.25	dB
Isolation	ISO	20		—	dB
Input Return Loss	RL	21			dB
Output Return Loss	RL	21			dB
Impedance			50		Ω
Input impedance, real		45	50	55	Ω
Intermodulation distortion (2X15W, 1MHz space)	IMD	65			dBc
2nd Harmonic		15			dB
3rd Harmonic		5			dB
Group Delay				2	ns
Group Delay variation				0.2	ns

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