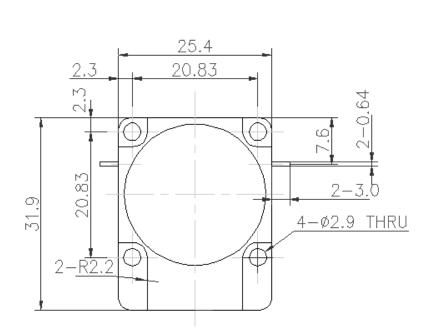
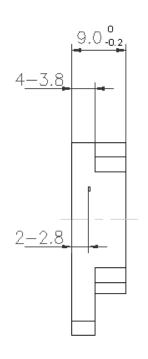


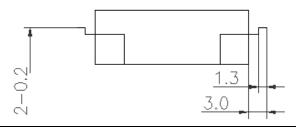
Features

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

Package Dimensions







Top View, Laser Marking									
"ND":	Manufacturer's mark			"I":	Isolator				
" 9020 ":	Part number								
"["	IN	"O"	OUT	\Rightarrow	Conduct Direction				
	1.805-1.880GHz: 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}	200	W
Peak Power	P _{PX} 1200		W
Reverse Power	Р	150	W
Operating Temperature Range	$T_{A} = \frac{-40 \sim +90}{+90 \sim +100 \%}$		°C
Storage Temperature Range	\mathcal{T}_{stg}	-55 ~ +125	°C
CPK		1.33	
IFR Intrinsic Failure Rate, FITs	Fits	Fits <5	

Electrical Characteristics

Reference temperature: $T_A = 25$ °C Terminating source impedance: $Z_S = 50$ Ω Terminating load impedance: $Z_L = 50$ Ω

	Min.	Тур.	Max.	Unit		
Working frequency		$f_{\mathbb{C}}$	1.805		1.880	GHz
Insertion attenuation		IL	_	0.20	0.25	dB
Isolation	1805~1880MHz		28	30	_	dB
Isolation	1745~1940MHz		18	27	_	dB
IMD(2X65W, 1MHz space))		75	80		dBc
Input Return Loss			23	26		dB
Output Return Loss			23	26		dB
Group Delay	1805~1880MHz				2.0	ns
Group Delay	1745~1940MHz				2.0	ns
Group Delay variation					0.5	ns

NoHS Compliant

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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

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Electrostatic Sensitive Device