

Circulator Approval Specification

Approval Specification

Complies with Directive 2002/95/EC (RoHS)

TO:

Part No.: NDI9024 Customer's Part No.:

Application

Please return this copy as a certification of your approval

Checked & Approval by:

Date:



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|-------------|--|
| - | |

Approved by

Prepared by:

| Old Version | Revision Date | Revision Record | Revisor |
|-------------|---------------|-----------------|---------|
| | | | |

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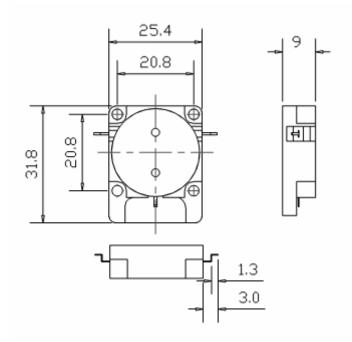


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Features

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

Package Dimensions



| | Top View, Laser Marking | | | | | |
|--------------|-------------------------|--|-----|-----|---------------|-------------------|
| Marking | " ND ": | Manufacturer's mark | | | " I ": | Isolator |
| 0 | "9024": | Part number | | | | |
| 2110-2170MHz | "1" | IN | "O" | OUT | \Rightarrow | Conduct Direction |
| NDI9024 | | 1.805-1.880GHz : operating Frequency Range Lot number (the first two numbers of years and the last two numbers 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 | -40 ~ +90 | °C |
| Storage Temperature Range | $T_{ m stg}$ | -55 ~ +125 | °C |

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Version Number C9049-2014-12-12-V1.0

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Electrical Characteristics

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

| Characteristic | | | Min. | Тур. | Max. | Unit |
|------------------------|--------------|----------------|------|------|------|------|
| Center frequency | | f _C | 2110 | | 2170 | MHz |
| Insertion attenuation | | IL | _ | 0.20 | 0.25 | dB |
| Isolation | 2110~2170MHz | | 28 | 30 | _ | dB |
| Isolation | 2150~2230MHz | | 18 | 27 | _ | dB |
| IMD(2X65W, 1MHz space) | | | 75 | 80 | | dBc |
| Input Return Loss | | | 23 | 26 | | dB |
| Output Return Loss | | | 23 | 26 | | dB |
| Group Delay | | | | | 2.0 | ns |
| Group Delay variation | | | | | 0.5 | ns |

[®] RoHS 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 sales@dqhuaying.com.

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Electrostatic Sensitive Device