

# IS-450 Series

UHF Isolators with harmonic filter

- Three versions covering the UHF band, 380 - 475 MHz
- Single and dual versions
- High Power handling, max. 100 W
- High Harmonic Rejection
- For inhouse use only

## ELECTRICAL SPECIFICATIONS

|                      |  |
|----------------------|--|
| Type                 | UHF Isolator   |
| Frequency            | 380 - 420 MHz, 400 - 440 MHz, 440 - 475 MHz (T/L/H)  |
| VSWR                 | ≤ 1.5:1  |
| Impedance            | 50 Ohm   |
| Harmonic Attenuation | > 40 dB (up to 1.0 GHz)                              |
| Max. Input Power     | 100 W  |
| Max. Reverse Power   | 20 W (When rack mounted)                             |
| Insertion Loss       | IS-400-1-T/L/H: ≤ 0.8 dB<br>IS-400-2-T/L/H: ≤ 1.2 dB |
| Isolation            | IS-400-1-T/L/H: > 20 dB<br>IS-400-1-T/L/H: >40 dB    |

## MECHANICAL SPECIFICATIONS

|             |   |
|-------------|---|
| Color       | Black grey (RAL7021)  |
| Weight      | IS-400-1-T/L/H: 300 g<br>IS-400-2-T/L/H: 485 g                            |
| Connector   | See 'ORDERING INFORMATION'<br>(Type N-male option available upon request) |
| Dimension   | IS-400-1-T/H/L: 25 x 55 x 120 mm<br>IS-400-2-T/H/L: 40 x 83 x 190 mm      |
| Mounting    | Bottom or side, with M4 screws (see outline drawing)                      |
| Temperature | -20°C to +60°C  |
| Serial no.  | On product label  |



ORDERING INFORMATION

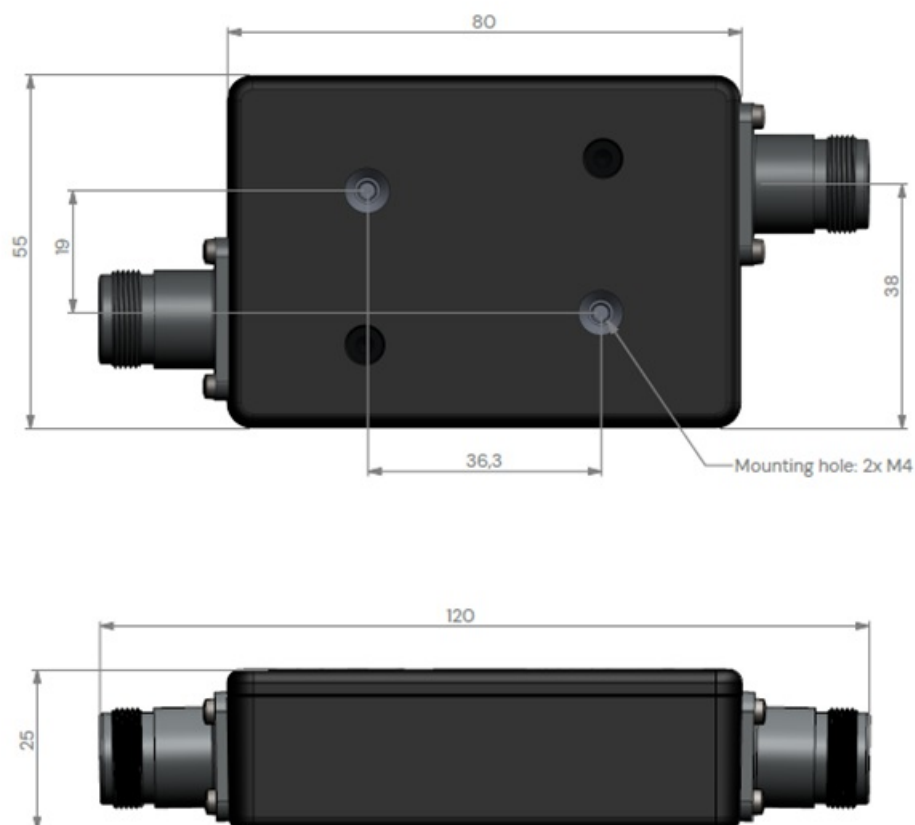
|                  |  |
|------------------|--|
| IS-450-1-T-NF-NF | 380-420 MHz<br>Single Isolator with harmonic filter<br>Input: Type N-female, Output: Type N-female |
| IS-450-2-T-NF-NF | 380-420 MHz<br>Dual Isolator with harmonic filter<br>Input: Type N-female, Output: Type N-female   |
| IS-450-1-L-NF-NF | 400-440 MHz<br>Single Isolator with harmonic filter<br>Input: Type N-female, Output: Type N-female |
| IS-450-2-L-NF-NF | 400-440 MHz<br>Dual Isolator with harmonic filter<br>Input: Type N-female, Output: Type N-female   |
| IS-450-1-H-NF-NF | 440-475 MHz<br>Single Isolator with harmonic filter<br>Input: Type N-female, Output: Type N-female |
| IS-450-2-H-NF-NF | 440-475 MHz<br>Dual Isolator with harmonic filter<br>Input: Type N-female, Output: Type N-female   |

PACKAGING INFORMATION

|      |                                     |
|------|-------------------------------------|
| Type | Individually packaged in Carton Box |
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