

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 IS-400-2-T/L/H: ≤ 1.2 dB
Isolation	IS-400-1-T/L/H: > 20 dB IS-400-1-T/L/H: >40 dB

MECHANICAL SPECIFICATIONS

Color	Black grey (RAL7021)
Weight	IS-400-1-T/L/H: 300 g IS-400-2-T/L/H: 485 g
Connector	See 'ORDERING INFORMATION' (Type N-male option available upon request)
Dimension	IS-400-1-T/H/L: 25 x 55 x 120 mm 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 Single Isolator with harmonic filter Input: Type N-female, Output: Type N-female
IS-450-2-T-NF-NF	380-420 MHz Dual Isolator with harmonic filter Input: Type N-female, Output: Type N-female
IS-450-1-L-NF-NF	400-440 MHz Single Isolator with harmonic filter Input: Type N-female, Output: Type N-female
IS-450-2-L-NF-NF	400-440 MHz Dual Isolator with harmonic filter Input: Type N-female, Output: Type N-female
IS-450-1-H-NF-NF	440-475 MHz Single Isolator with harmonic filter Input: Type N-female, Output: Type N-female
IS-450-2-H-NF-NF	440-475 MHz Dual Isolator with harmonic filter Input: Type N-female, Output: Type N-female

PACKAGING INFORMATION

Type	Individually packaged in Carton Box
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