

Single and Dual Isolators for the 450 MHz Band

DESCRIPTION

- Medium power single or dual isolators for 380 – 470 MHz.
- Used for isolation / protection of transmitters.
- High frequency stability on temperature and power.
- The standard 15 W dummy load can easily be interchanged to other values, if the reverse power is expected to exceed 15 W.
- Tunable within the frequency range.
- The isolators have black coating to prevent corrosion.



PRO-IS-xxx-S1

PRO-IS-xxx-D1

ORDERING

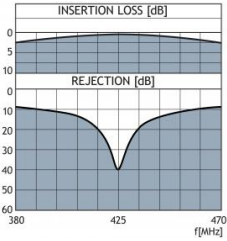
Type	Product No.
PRO-IS-380-S1	210001119
PRO-IS-380-D1	210001000

SPECIFICATIONS

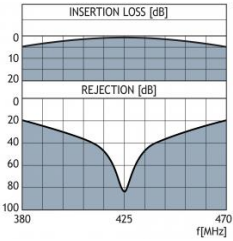
Electrical		
Model	PRO-IS-380-S1	PRO-IS-380-D1
Frequency	380 - 470 MHz	380 - 470 MHz
Max. Input Power	150 W	150 W
Insertion Loss	< 0.5 dB	< 1.0 dB
Impedance	50 Ω	50 Ω
Isolation	Typ. > 40 dB @ 25°C Temp. range 0 - 60°C : > 20 dB Temp. range -10 - 0°C : > 17 dB	Typ. > 80 dB @ 25°C Temp. range 0 - 60°C : > 40 dB Temp. range -10 - 0°C : > 35 dB
VSWR	≤ 1.5:1	≤ 1.5:1

Mechanical		
Connection(s)	N-female	N-female
Dimensions	57 x 58 x 41 mm / 2.24 x 2.28 x 1.61 in	107 x 58 x 41 mm / 4.21 x 2.28 x 1.61 in.
Weight	Approx. 400 g / 0.88 lb.	Approx. 800 g / 1.76 lb.
Mounting	M4 mm	M4 mm

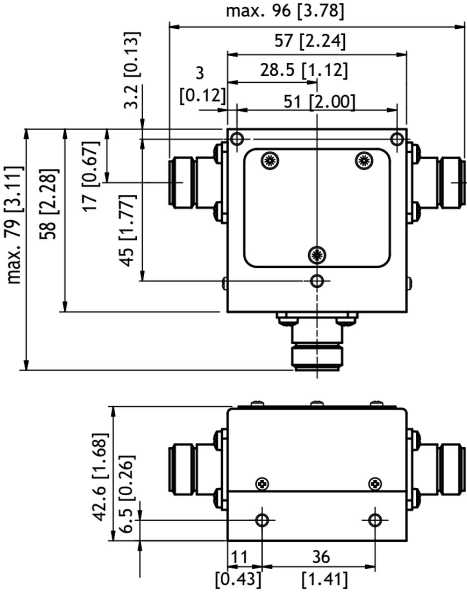
TYPICAL RESPONSE CURVES FOR PRO-IS-380-S1



TYPICAL RESPONSE CURVES FOR PRO-IS-380-D1

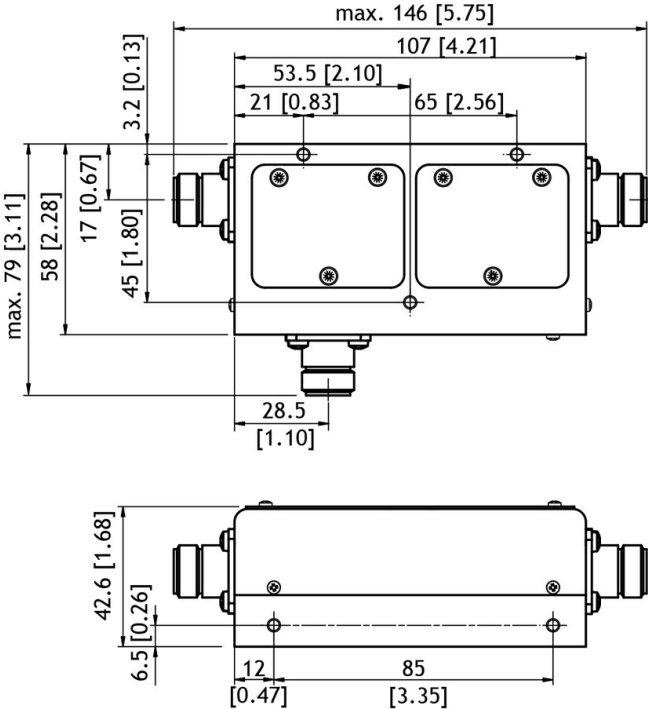


MOUNTING DETAILS FOR PRO-IS-380-S1



All dimensions are given in mm [in.]

MOUNTING DETAILS FOR PRO-380-D1



All dimensions are given in mm [in.]