OH531A-4500-5000

Three-port drop-in circulator



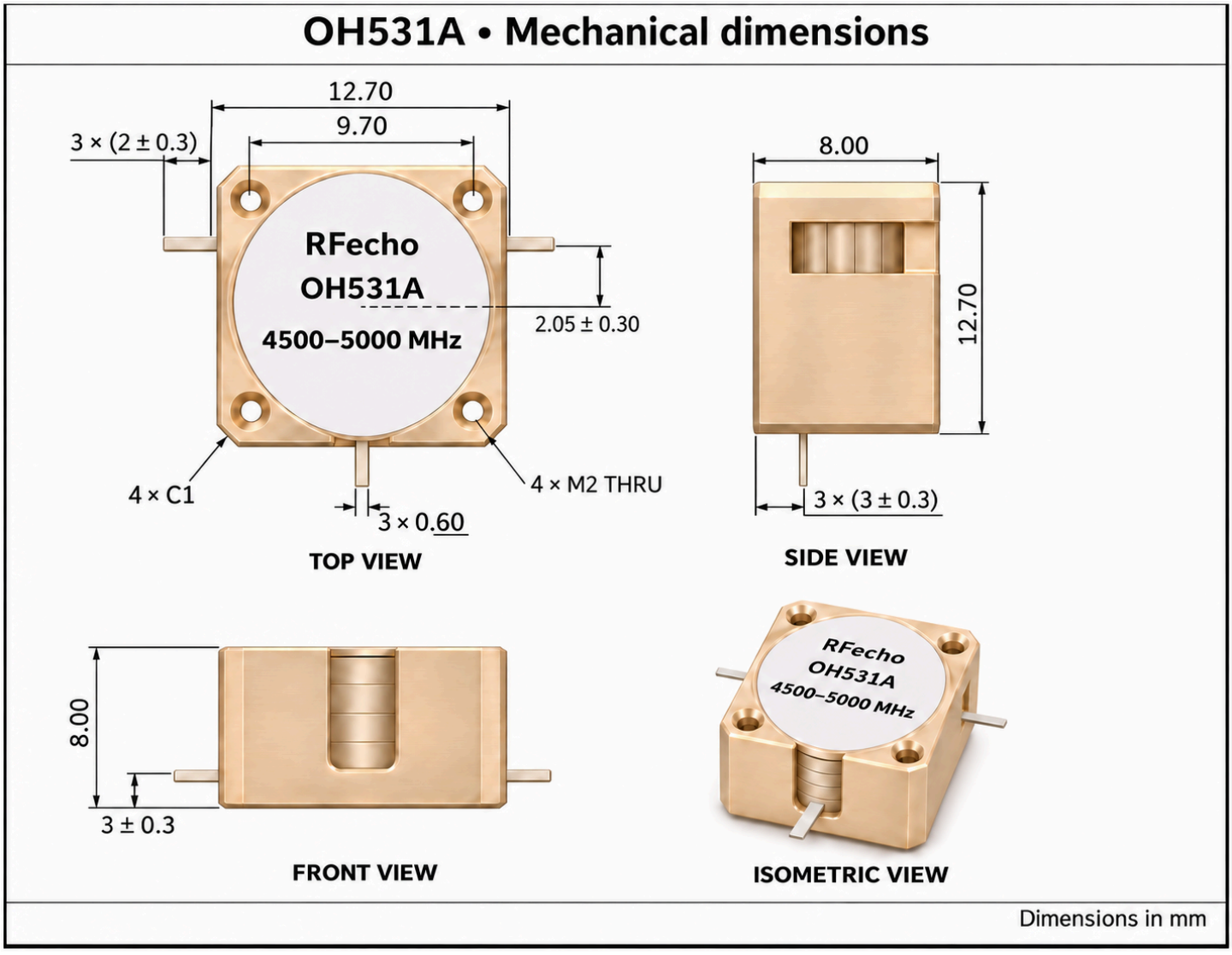
Frequency range	**4500 - 5000 MHz**
Insertion loss	**0.40 dB maximum**
Isolation	**18 dB minimum**
Return loss	**18 dB minimum**
Rated power	**100 W**
Operating temperature	**-40 to +85 degC**

Compact stripline circulator with three RF tabs and four mounting holes.

OH531A-4500-5000

Technical specifications and mechanical dimensions

IMD3	-60 dBc at 2 x 10 W
Body dimensions	12.70 x 12.70 x 8.00 mm
Mounting holes	4 x M2 through; 9.70 mm pitch
RF tabs	3 tabs; 0.60 mm width; 2.0 mm extension
RF tab height above base	3.0 mm



OH531A-4500-5000

Performance illustrations

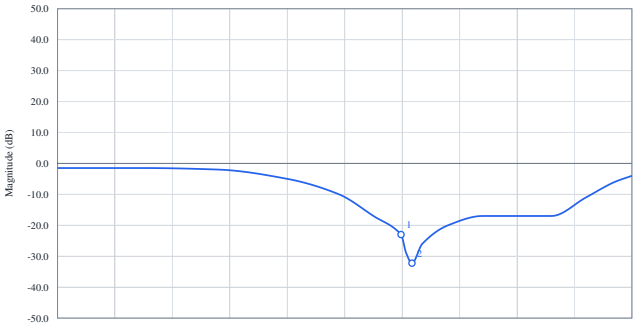
Frequency-mapped illustrations

S11 · Log magnitude

10 dB/div · Reference 0 dB

M1 4.500 GHz -22.9990 dB

M2 5.000 GHz -32.2540 dB

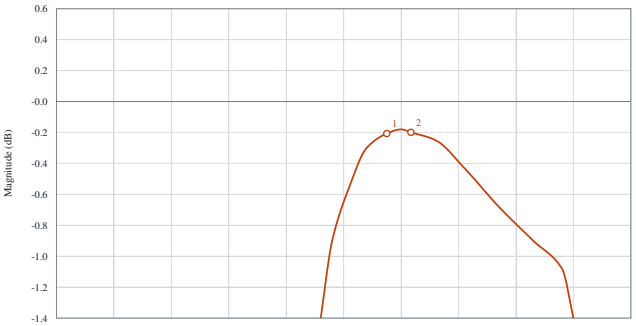


S21 · Log magnitude

0.2 dB/div · Reference 0 dB

M1 4.500 GHz -0.2069 dB

M2 5.000 GHz -0.1990 dB

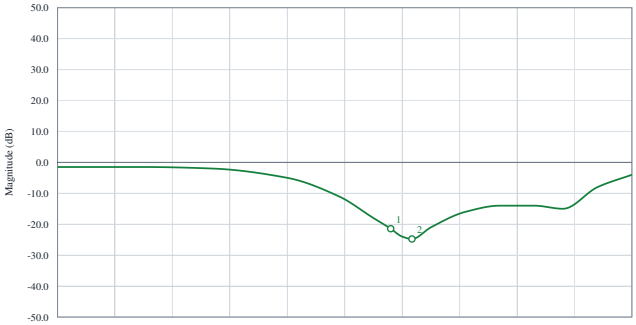


S22 · Log magnitude

10 dB/div · Reference 0 dB

M1 4.500 GHz -21.4400 dB

M2 5.000 GHz -24.7660 dB



S12 · Log magnitude

10 dB/div · Reference 0 dB

M1 4.500 GHz -26.0390 dB

M2 5.000 GHz -31.0090 dB

