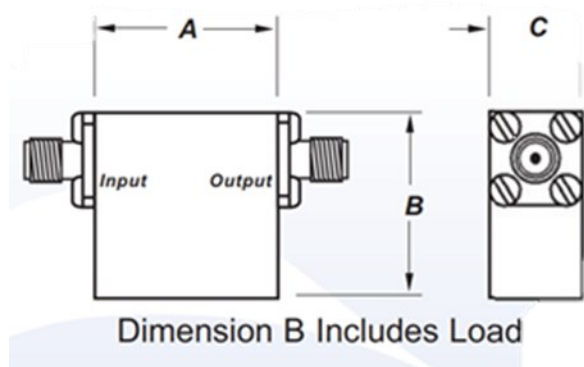


Coaxial Isolators

Atlantic's ACI-20000 series of coaxial isolators are designed for low power applications in communications, test and measurement and scientific research applications requiring good RF performance in a compact and economic package. Custom frequency ranges, specifications and configurations may also be reviewed for quotation. These are often just as economic as standard models but may not be in stock. To obtain a quotation for a custom isolator please provide details of the specification required as follows: Frequency Range, Isolation, Insertion Loss, VSWR, Input Power, Load Rating, Temperature Range, Input & Output Connectors plus any additional relevant parameters.

- 800 MHz - 23 GHz
- Octave & Standard Bands
- Compact Design
- Internal Load
- Fast Delivery
- SMA Connectors



Part Numbering

ACI-20010 -X-X

Model Number _____

Input Connector _____

Output Connector _____

Connector Types
 SF =SMA Female
 SM =SMA Male
 BF =BMA Female
 BM =BMA Male

General Specification	
Isolator Load	Internal 50 ohm
Housing Material	Aluminium Alloy
Magnet Cover Plates	Nickel Plated Steel
Connectors	Gold Plated
Standard Connectors	SMA Female
Connector Options	SMA Male



Technical specifications and operating parameters

Part Number	Frequency Range (GHz)	Isolation (dB)	Insertion Loss (dB)	VSWR: 1	Forward Power (Watts)	Load Rating (Watts)	Operating Temperature (deg. C)	Dimensions		
								A	B	C
ACI-20010	0.8-1.2	14	0.80	1.60	20	5	-30+65	30	33	20
ACI-20020	0.95-1.45	14	0.80	1.60	30	10	-30+65	35	38	20
ACI-20030	0.95-1.95	13	1.00	1.70	20	10	0+60	70	80	21
ACI-20040	1.0-2.0	15	0.80	1.50	10	2	0+50	70	80	21
ACI-20050	1.2-1.7	20	0.60	1.20	20	5	-30+65	34	39	22
ACI-20060	1.7-2.4	20	0.50	1.20	20	5	-30+65	32	39	20
ACI-20070	2.0-4.0	18	0.60	1.35	5	1	-10+65	32	34	18
ACI-20080	2.2-2.7	20	0.50	1.20	20	5	-30+65	32	39	20
ACI-20090	2.5-3.5	20	0.60	1.25	20	5	-10+40	28	36	19
ACI-20100	2.7-3.2	20	0.40	1.20	20	5	-30+65	25	29.5	15
ACI-20110	3.0-6.0	17	0.60	1.40	10	2	-10+55	25.4	27.5	13
ACI-20120	3.4-4.2	20	0.40	1.20	5	1	-10+65	16	26	15
ACI-20130	4.0-8.0	18	0.60	1.35	5	1	-25+65	20	26	14
ACI-20140	5.8-6.5	23	0.30	1.20	5	1	-35+65	16	26	13
ACI-20150	5.85-6.725	20	0.40	1.20	5	1	-10+60	16	26	15
ACI-20160	6.0-12.0	18	0.60	1.35	5	1	-30+65	12	20	13
ACI-20170	7.25-7.75	23	0.30	1.20	5	1	-30+65	12	20	13
ACI-20180	7.9-8.4	23	0.30	1.20	5	1	-30+65	12	20	13
ACI-20190	8.0-9.5	23	0.40	1.20	10	2	-10+60	12	20	13



Part Number	Frequency Range (GHz)	Isolation (dB)	Insertion Loss (dB)	VSWR: 1	Forward Power (Watts)	Load Rating (Watts)	Operating Temperature (deg. C)	Dimensions		
								A	B	C
ACI-20200	8.0-12.4	20	0.50	1.30	10	2	-30+65	12	20	13
ACI-20210	8.0-16.0	18	0.60	1.35	20	10	-30+65	15	23	13
ACI-20220	8.0-18.0	16	1.00	1.40	5	1	-30+65	15	23	13
ACI-20230	8.5-9.6	23	0.35	1.20	5	1	0+70	12	20	13
ACI-20235	9.9-10.9	24	0.40	1.15	5	1	0+60	12	20	13
ACI-20240	10.0-15.0	20	0.50	1.30	5	1	-20+60	12	20	13
ACI-20250	10.7-12.75	23	0.40	1.20	5	1	-30+65	12	20	13
ACI-20260	12.0-18.0	20	0.50	1.30	10	2	-30+65	12	20	13
ACI-20270	13.75-14.5	23	0.40	1.20	20	10	-30+65	12	20	13
ACI-20280	15.0-18.0	20	0.50	1.30	20	5	-30+65	12	20	13
ACI-20290	17.3-18.4	20	0.50	1.25	10	2	-30+65	12	20	13
ACI-20300	21.2-23.6	20	0.50	1.25	5	2	-30+65	13	19	10

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

