



3-Port Coaxial Circulators & Isolators

Features

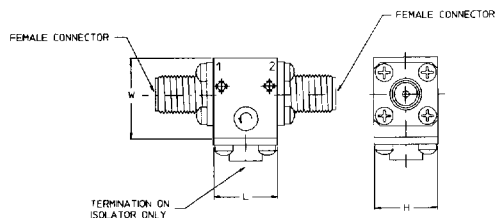
- Narrow and Broadband Designs
- SMA, N, TNC Connectors and Drop-in Configurations Available

Description

The standard units have female connectors. When used as an isolator, and internal 60 W peak, 1 W average termination is employed. Options such as termination type and location, temperature performance, RF and magnetic shielding and direction of circulation are available. Consult the factory with your requirements.

Outline Drawing Dimensions

Outline	Dimensions Inches (mm)		
	L	W	H
A	2.00 (50.8)	2.00 (50.8)	0.75 (19.1)
B	1.38 (35.1)	1.38 (35.1)	0.75 (19.1)
C	1.00 (25.4)	1.00 (25.4)	0.50 (12.7)
D	0.75 (19.1)	0.75 (19.1)	0.50 (12.7)
E	0.50 (12.7)	0.63 (41.3)	0.50 (12.7)
F	1.77 (45.0)	1.97 (50.0)	1.18 (30.0)
G	2.00 (50.8)	2.00 (50.8)	1.00 (25.4)
H	1.81 (46.0)	2.31 (58.7)	1.22 (31.0)
I	3.00 (76.2)	3.00 (76.2)	1.13 (28.7)
J	2.75 (69.9)	2.85 (72.4)	0.88 (22.4)
L	1.63 (41.4)	1.63 (41.4)	0.75 (19.1)
N	1.78 (45.2)	1.78 (45.2)	0.84 (21.3)
O	1.00 (25.4)	1.00 (25.4)	0.50 (12.7)



Narrow Band Specifications

Frequency (GHz)	Temp. (°C)	Isolation (dB) Min.	Insertion Loss (dB) Max.	VSWR Max.	Outline	Conn. Type	Circulator Model No.	Isolator Model No.
.50-.56	-30° to +71°	20	0.4	1.25	A	SMA	M3A-530	M2A-530
.53-.60	-30° to +71°	20	0.4	1.25	A	SMA	M3A-565	M2A-565
.570-.645	-30° to +71°	20	0.4	1.25	A	SMA	M3A-605	M2A-605
.61-.69	-30° to +71°	20	0.4	1.25	A	SMA	M3A-650	M2A-650
.655-.745	-30° to +71°	20	0.4	1.25	A	SMA	M3A-700	M2A-700
.695-.795	-30° to +71°	20	0.4	1.25	A	SMA	M3A-745	M2A-745

Specifications Subject to Change Without Notice.

3-Port Coaxial Circulators & Isolators

Narrow Band Specifications

Frequency (GHz)	Temp. (°C)	Isolation (dB) Min.	Insertion Loss (dB) Max.	VSWR Max.	Outline	Conn. Type	Circulator Model No.	Isolator Model No.
.755-.865	-30° to +71°	20	0.4	1.25	A	SMA	M3A-810	M2A-810
.82-.96	-30° to +71°	20	0.4	1.25	A	SMA	M3A-890	M2A-890
.91-1.05	-30° to +71°	20	0.4	1.25	A	SMA	M3A-980	M2A-980
.96-1.10	-30° to +71°	20	0.4	1.25	B	SMA	M3B-1030	M2B-1030
1.045-1.200	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1122	M2B-1122
1.14-1.32	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1230	M2B-1230
1.2-1.4	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1300	M2B-1300
1.295-1.500	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1395	M2B-1395
1.425-1.650	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1537	M2B-1537
1.57-1.80	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1685	M2B-1685
1.65-1.85	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1750	M2B-1750
1.7-1.9	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1800	M2B-1800
1.7-2.3	*	20	0.3	1.20	H	N	7K233	-
1.7-2.4	*	20	0.3	1.20	I	N	7K125	-
1.8-2.0	-20° to +71°	20	0.4	1.25	B	SMA	M3B-1900	M2B-1900
1.9-2.3	*	20	0.4	1.25	B	SMA	M3B-2100	M2B-2100
2.0-2.3	*	20	0.35	1.25	C	SMA	M3C-2150	M2C-2150
2.1-2.4	-20° to +71°	20	0.35	1.25	C	SMA	M3C-2250	M2C-2250
2.3-2.6	-20° to +71°	20	0.35	1.25	C	SMA	M3C-2450	M2C-2450
2.5-2.9	-20° to +71°	20	0.35	1.25	C	SMA	M3C-2700	M2C-2700
2.7-3.1	-20° to +71°	20	0.35	1.25	C	SMA	M3C-2900	M2C-2900
2.9-3.5	-20° to +71°	20	0.35	1.25	C	SMA	M3C-3200	M2C-3200
3.2-4.0	-20° to +71°	20	0.35	1.25	C	SMA	M3C-3600	M2C-3600

* Contact factory.

Specifications Subject to Change Without Notice.

M/A-COM Inc. ■ 1011 Pawtucket Boulevard, Lowell, MA 01853 USA

■ Telephone: 800-366-2266

3-Port Coaxial Circulators & Isolators

Narrow Band Specifications

Frequency (GHz)	Temp. (°C)	Isolation (dB) Min.	Insertion Loss (dB) Max.	VSWR Max.	Outline	Conn. Type	Circulator Model No.	Isolator Model No.
3.7-4.5	-20° to +71°	20	0.3	1.25	D	SMA	M3D-4100	M2D-4100
4.0-5.0	-20° to +71°	20	0.3	1.25	D	SMA	M3D-4500	M2D-4500
4.4-5.5	-20° to +71°	20	0.3	1.25	D	SMA	M3D-4950	M2D-4950
5.0-6.0	-20° to +71°	20	0.3	1.25	D	SMA	M3D-5500	M2D-5500
5.0-6.0	-20° to +71°	20	0.35	1.25	E	SMA	M3E-5500	M2E-5500
5.7-6.8	-20° to +71°	20	0.35	1.25	E	SMA	M3E-6250	M2E-6250
6.55-7.85	-20° to +71°	20	0.35	1.25	E	SMA	M3E-7200	M2E-7200
7.5-9.0	-20° to +71°	20	0.35	1.25	E	SMA	M3E-8250	M2E-8250
8.4-10.0	-20° to +71°	20	0.35	1.25	E	SMA	M3E-9200	M2E-9200
9.5-12.0	-20° to +71°	20	0.4	1.25	E	SMA	M3E-10750	M2E-10750
12.4-15.0	-20° to +71°	18	0.7	1.40	E	SMA	M3E-13700	M2E-13700
14.0-16.5	-20° to +71°	18	0.7	1.40	E	SMA	M3E-15250	M2E-15250
15.0-18.0	-20° to +71°	18	0.7	1.40	E	SMA	M3E-16500	M2E-16500

Broadband Specifications

1.0-2.0	0°	15	0.6	1.40	J	SMA ¹	M3G-1500	M2G-1500
	+25°	16	0.5	1.30				
	+71°	15	0.5	1.50				
2.0-4.0	0°	17	0.5	1.35	L	SMA ¹	M3G-3000	M2G-3000
	+25°	18	0.4	1.25				
	+71°	17	0.4	1.35				
2.6-5.2	-20°	17	0.6	1.35	N	SMA ¹	M3G-4400	M2G-4400
	+25°	20	0.4	1.25				
	+71°	18	0.4	1.30				
4.0-8.0	-20°	17	0.4	1.30	O	SMA ¹	M3G-6000	M2G-6000
	+25°	18	0.4	1.25				
	+71°	17	0.4	1.30				
8.0-16.0	-20°	17	0.6	1.35	Q	SMA ¹	M3G-12000	M2G-12000
	+25°	18	0.6	1.35				
	+85°	17	0.6	1.35				

1. Contact factory for TNC and N connector options.

Specifications Subject to Change Without Notice.

M/A-COM Inc. ■ 1011 Pawtucket Boulevard, Lowell, MA 01853 USA

■ Telephone: 800-366-2266