

3 & 4 Port Cellular Circulators & Isolators

1410 - 1990 MHz

V2.00

Features

- Excellent isolation and insertion loss performance.
- Coaxial product available as customs with alternate connector configurations.
- Terminations available on any port.
- Higher power terminations available.
- Coaxial product available as customs with 3rd Order Intermodulation as low as -70 dBc.
- Available as custom product with additional features like cable assemblies, couplers, detectors and attenuators.

Description

M/A-COM's circulators and isolators designed for wireless applications feature high performance at low cost. These designs offer the best isolation per insertion loss ratio in the industry and are currently produced in the tens of thousands per year. Many of these products are capable of being produced at our European factory and all are available through distribution.

Specifications @ -10 to +70°C

Frequency Range(MHz)	Isolation (dB) Min.	Insertion Loss(dB) Max.	VSWR Max.	Forward Power W CW ² Max.	Reverse Power W CW Max.	Figure	Conn. Type ¹	Circulator Part No.	Isolator Part No.
1790 - 1900	55	.40	1.25:1	200	5	1	N	7R1961	7R1961T
1790 - 1900	24	.25	1.20:1	200	5	2	N	7N1961	7N1961T
1410 - 1450	22	.35	1.20:1	65	65	3	Drop-In	7N214-B1	7N214-B1T
1540 - 1580	22	.35	1.20:1	65	65	3	Drop-In	7N214-B2	7N214-B2T
1735 - 1763	22	.35	1.20:1	65	65	3	Drop-In	7N214-C1	7N214-C1T
1830 - 1858	22	.35	1.20:1	65	65	3	Drop-In	7N214-C2	7N214-C2T
1850 - 1890	22	.35	1.20:1	65	65	3	Drop-In	7N214-C3	7N214-C3T
1890 - 1930	22	.35	1.20:1	65	65	3	Drop-In	7N214-C4	7N214-C4T
1930 - 1990	22	.35	1.20:1	65	65	3	Drop-In	7N214-C5	7N214-C5T
1735 - 1763	20	.35	1.20:1	25	25	4	Drop-In	7N248-C1	7N248-T-C
1830 - 1858	20	.35	1.20:1	25	25	4	Drop-In	7N248-C2	7N248-T-C2
1850 - 1890	20	.35	1.20:1	25	25	4	Drop-In	7N248-C3	7N248-T-C3
1890 - 1930	20	.35	1.20:1	25	25	4	Drop-In	7N248-C4	7N248-T-C4
1930 - 1990	20	.35	1.20:1	25	25	4	Drop-In	7N248-C5	7N248-T-C5
1410 - 1450	22	.20	1.20:1	100	100	5	Drop-In	7N251-B1	7N251-T-B1
1540 - 1580	22	.20	1.20:1	100	100	5	Drop-In	7N251-B2	7N251-T-B2
1735 - 1763	22	.20	1.20:1	100	100	5	Drop-In	7N251-C1	7N251-T-C1
1830 - 1858	22	.20	1.20:1	100	100	5	Drop-In	7N251-C2	7N251-T-C2
1850 - 1890	22	.20	1.20:1	100	100	5	Drop-In	7N251-C3	7N251-T-C3
1890 - 1930	22	.20	1.20:1	100	100	5	Drop-In	7N251-C4	7N251-T-C4
1930 - 1990	22	.20	1.20:1	100	100	5	Drop-In	7N251-C5	7N251-T-C5
1790 - 1900	18	.35	1.23:1	100	100	5	Drop-In	7N251-D2	7N251-T-D2
1410 - 1450	22	.35	1.20:1	65	65	6	Drop-In	7N256-B1	7N256-T-B1
1540 - 1580	22	.35	1.20:1	65	65	6	Drop-In	7N256-B2	7N256-T-B2
1735 - 1763	22	.35	1.20:1	65	65	6	Drop-In	7N256-C1	7N256-T-C1
1830 - 1858	22	.35	1.20:1	65	65	6	Drop-In	7N256-C2	7N256-T-C2
1850 - 1890	22	.35	1.20:1	65	65	6	Drop-In	7N256-C3	7N256-T-C3
1890 - 1930	22	.35	1.20:1	65	65	6	Drop-In	7N256-C4	7N256-T-C4
1930 - 1990	22	.35	1.20:1	65	65	6	Drop-In	7N256-C5	7N256-T-C5

1. These configurations are standard. Connectors are female type. Many combinations of connectors and tabs are available. Consult factory for specifications and part numbers.
2. Power level subject to connector type.

Specifications Subject to Change Without Notice.

M/A-COM, Inc.

North America: Tel. (800) 366-2266
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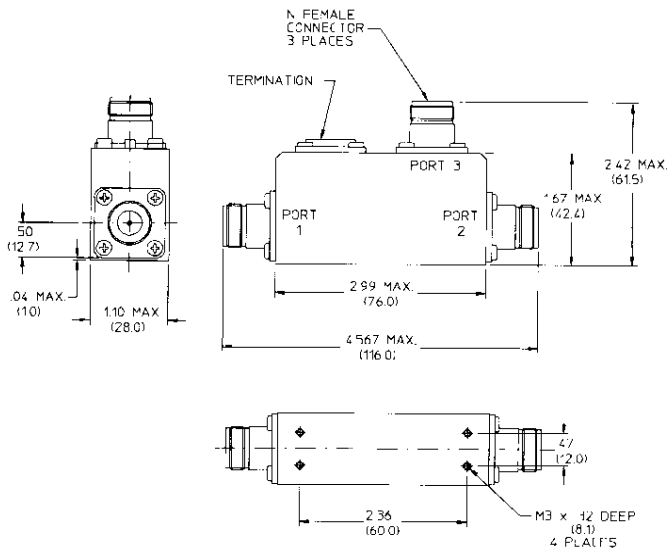


Figure 1

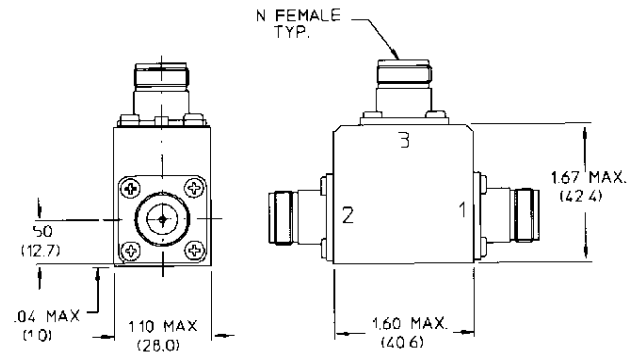


Figure 2

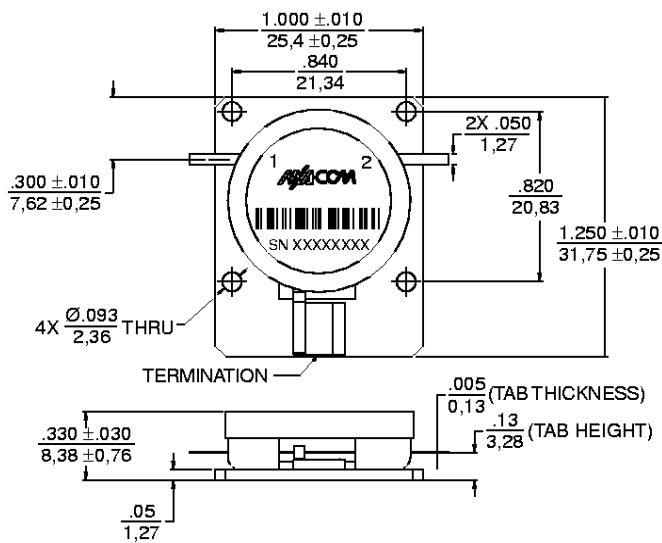


Figure 3

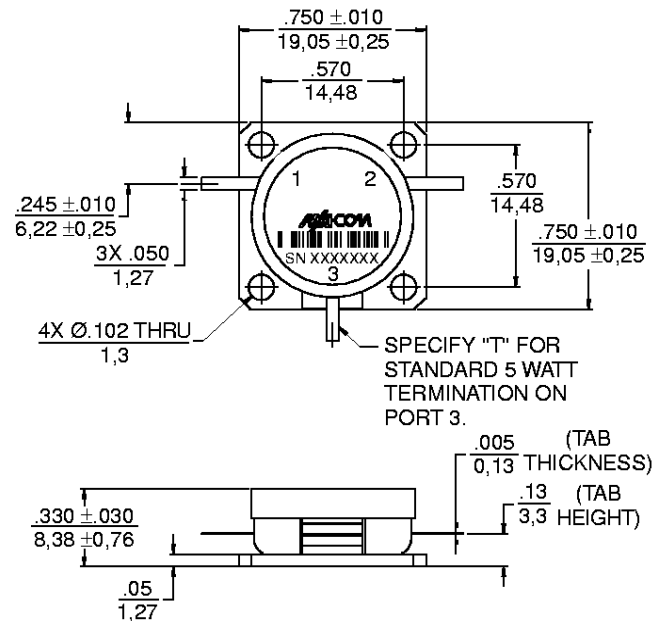


Figure 4

Specifications Subject to Change Without Notice.

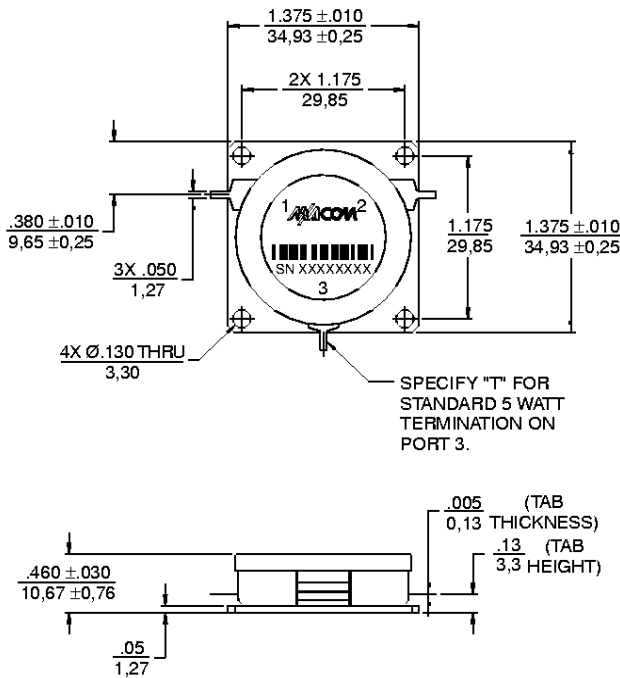


Figure 5

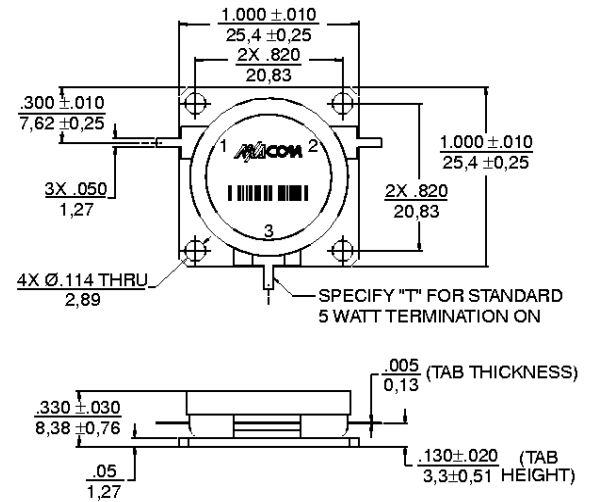


Figure 6

Specifications Subject to Change Without Notice.

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