

3 and 4-Port Cellular Circulators & Isolators

800 - 1000 MHz

V2.00

Features

- Excellent isolation and insertion loss.
- 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 inter-modulation 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) Typ./Min.	Insertion Loss (dB) Typ./Max.	VSWR Typ./Max.	Forward Power ² W CW	Reverse Power W CW	Figure	Conn. ¹ Type	Circulator Part No.	Isolator Part No.
800 - 1000	50/40	.50/.60	1.20/1.25	200	15	1	N	7R193	7R193T
860 - 960	60/55	.30/.40	1.10/1.20	200	15	1	N	7R195	7R195T
800 - 1000	25/20	.25/.30	1.15/1.20	200	15	2	N	7N193	7N193T
800 - 1000 ³	28/25	.15/.20	1.08/1.10	200	15	2	N	7N194	7N194T
860 - 960	28/24	.20/.25	1.01/1.20	200	15	2	N	7N195	7N195T
810 - 826	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A1
824 - 849	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A2
850 - 869	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A3
869 - 894	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A4
890 - 915	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A5
902 - 928	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A6
919 - 944	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A7
935 - 960	25/22	.30/.35	1.15/1.20	65	65	3	Drop-In	N/A	7N214-A8
810 - 826	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A1	7N251-T-A1
824 - 849	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A2	7N251-T-A2
850 - 869	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A3	7N251-T-A3
869 - 894	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A4	7N251-T-A4
890 - 915	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A5	7N251-T-A5
902 - 928	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A6	7N251-T-A6
919 - 944	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A7	7N251-T-A7
935 - 960	25/22	.15/.20	1.15/1.20	100	100	4	Drop-In	7N251-A8	7N251-T-A8
860 - 960	20/18	.30/.35	1.20/1.25	100	100	4	Drop-In	7N251-D1	7N251-T-D1
810 - 826	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A1	7N256-T-A1
824 - 849	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A2	7N256-T-A2
850 - 869	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A3	7N256-T-A3
869 - 894	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A4	7N256-T-A4
890 - 915	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A5	7N256-T-A5
902 - 928	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A6	7N256-T-A6
919 - 944	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A7	7N256-T-A7
935 - 960	25/22	.30/.35	1.15/1.20	65	65	5	Drop-In	7N256-A8	7N256-T-A8

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.

3. 5% Bandwidth.

Specifications Subject to Change Without Notice.

M/A-COM, Inc.

North America: Tel. (800) 366-2266
Fax (800) 618-8883

■ Asia/Pacific: Tel. +81 (03) 3226-1671
Fax +81 (03) 3226-1451

■ Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020

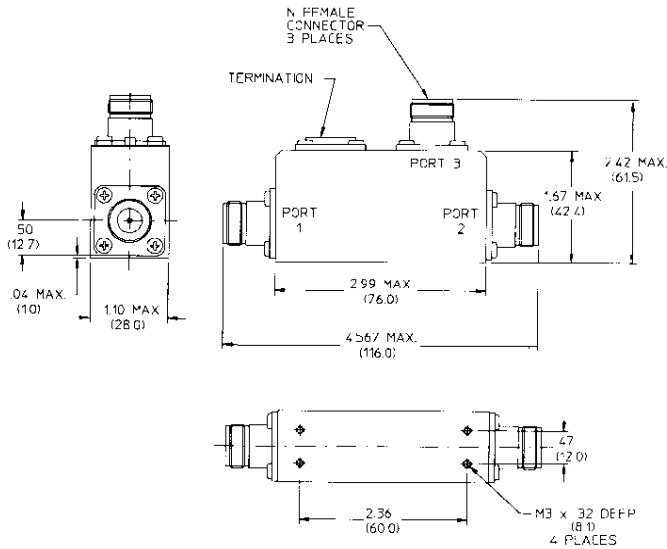


Figure 1

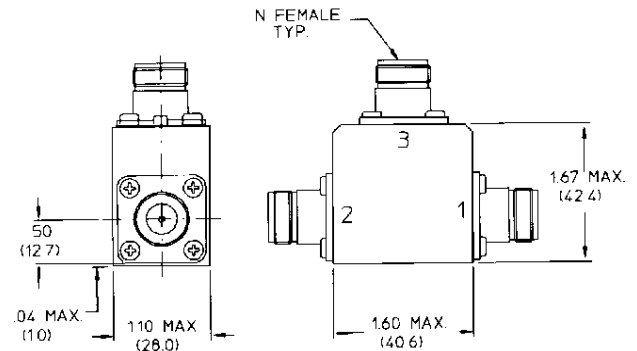


Figure 2

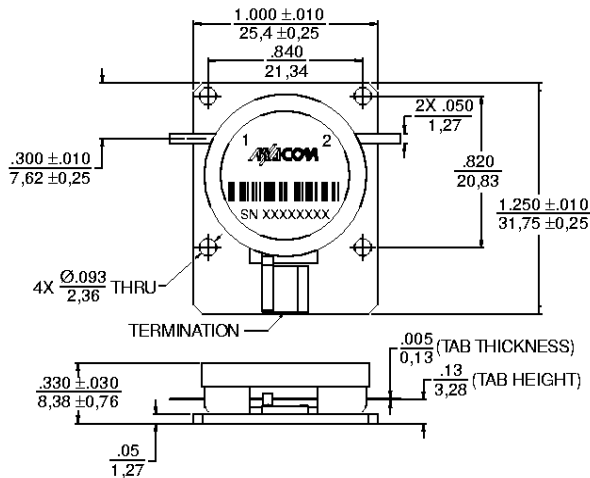


Figure 3

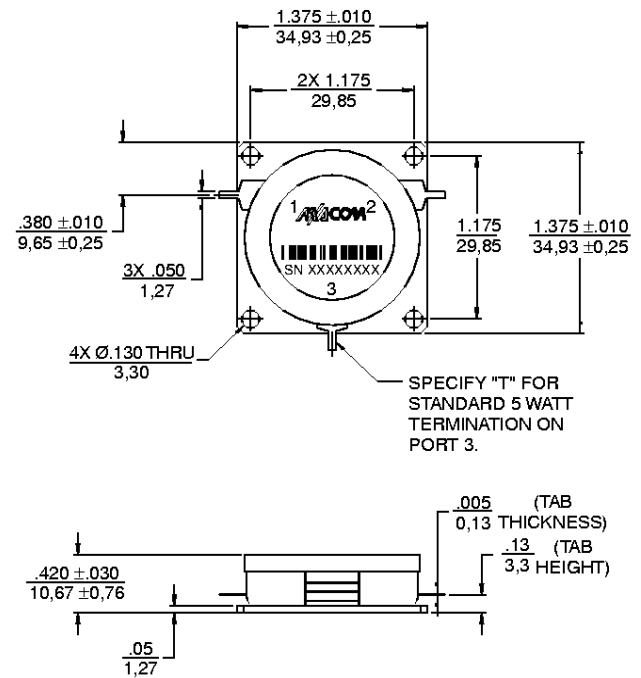


Figure 4

Specifications Subject to Change Without Notice.

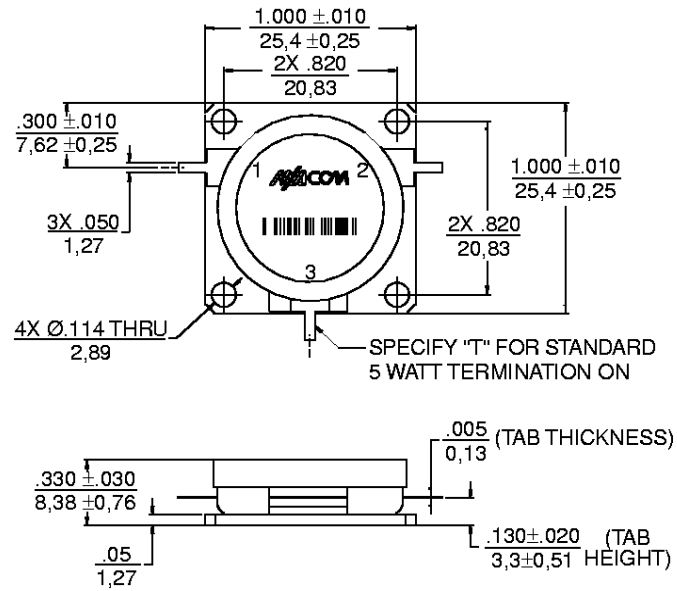


Figure 5

Specifications Subject to Change Without Notice.

M/A-COM, Inc.

North America: Tel. (800) 366-2266
Fax (800) 618-8883

■ Asia/Pacific: Tel. +81 (03) 3226-1671
Fax +81 (03) 3226-1451

■ Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020