

## FEATURES

- LOW Cost,High Quality
- Compact Size,Light Weight
- High Performance
- Wide Operation Temperature Range
- Octave and Multi-octave Bands

## APPLICATIONS

- Load isolation
- Module integration



## SPECIFICATIONS@25°C:

| Part Number   | Frequency Range (GHz) | Band Width (MHz) | Insertion Loss (dB.Max) | Isolation (dB.Min) | VSWR (Max) | Operating Temperature (°c) | Power Handling (W.FWD) | Case Type |
|---------------|-----------------------|------------------|-------------------------|--------------------|------------|----------------------------|------------------------|-----------|
| CIR001002G    | 0.14-0.24             | 5                | 0.6                     | 18                 | 1.3        | 0~+60                      | 100                    | CC19      |
| CIR002003G    | 0.2-0.3               | 10               | 0.5                     | 18                 | 1.3        | 0~+60                      | 100                    | CC20      |
| CIR002004G    | 0.25-0.45             | 20               | 0.4                     | 20                 | 1.25       | -15~+60                    | 100                    | CC14      |
| CIR003003H    | 324MHz±2.5MHz         | Full             | 0.2                     | 25                 | 1.15       | -15~+35                    | 50KW                   | CC43      |
| CIR400380A    | 0.38-0.4              | Full             | 0.3                     | 21                 | 1.2        | -15~+60                    | 200                    | CC09      |
| CIR003004F    | 0.3-0.4               | Full             | 0.6                     | 18                 | 1.3        | -15~+60                    | 25                     | CC14      |
| CIR004004F    | 0.4-0.47              | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 10                     | CC21      |
| CIR004005N    | 0.4-0.5               | Full             | 0.6                     | 18                 | 1.3        | -15~+60                    | 250                    | CC18      |
| CIR004006G    | 0.4-0.6               | 20               | 0.4                     | 20                 | 1.25       | -15~+60                    | 100                    | CC21      |
| CIR04006F     | 0.4-0.6               | Full             | 0.8                     | 14                 | 1.6        | -15~+60                    | 150                    | CC14      |
| CIR004006N    | 0.4-0.6               | Full             | 0.3                     | 23                 | 1.2        | -15~+60                    | 150                    | CC09      |
| CIR4975005N   | 0.4975-0.5025         | Full             | 0.3                     | 23                 | 1.2        | -15~+60                    | 150                    | CC09      |
| CIR005010G    | 0.5-1                 | 20               | 0.4                     | 23                 | 1.2        | -30~+70                    | 100                    | CC22      |
| CIR00775MS    | 0.75-0.8              | Full             | 0.4                     | 23                 | 1.2        | -15~+60                    | 100                    | CC22      |
| CIR008009H18K | 0.8-0.9               | Full             | 0.4                     | 20                 | 1.2        | -15~+60                    | 300                    | CC11      |
| CIR008009H75K | 0.8-0.9               | Full             | 0.4                     | 20                 | 1.2        | -15~+60                    | 1300                   | CC11      |
| CIR008009H99K | 0.8-0.9               | Full             | 0.4                     | 20                 | 1.2        | -15~+60                    | 2000                   | CC11      |
| CIR008010A    | 0.8-1                 | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 60                     | CC01      |
| CIR008010F    | 0.8-1                 | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 40                     | CC01      |
| CIR008012A    | 0.8-1.2               | Full             | 0.8                     | 14                 | 1.6        | -15~+60                    | 60                     | CC01      |
| CIR008014G    | 0.8-1.4               | 60               | 0.3                     | 20                 | 1.2        | -40~+85                    | 100                    | CC01      |
| CIR009010A    | 0.9-1                 | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 60                     | CC01      |
| CIR0100S      | 0.9-1.1               | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 150                    | CC01      |
| CIR00960225NA | 0.96-1.215            | Full             | 0.5                     | 18                 | 1.3        | -15~+60                    | 150                    | CC01(N)   |



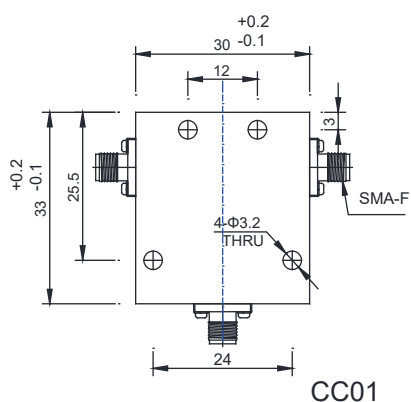
## COAXIAL CIRCULATOR

| Part Number   | Frequency Range (GHz) | Band Width (MHz) | Insertion Loss (dB.Max) | Isolation (dB.Min) | VSWR (Max) | Operating Temperature (°c) | Power Handling (W.FWD) | Case Type |
|---------------|-----------------------|------------------|-------------------------|--------------------|------------|----------------------------|------------------------|-----------|
| CIR095020F    | 0.95-2                | Full             | 1                       | 14                 | 1.5        | -15~+60                    | 60                     | CC32      |
| CIR010014F    | 1-1.4                 | Full             | 0.7                     | 16                 | 1.4        | -15~+60                    | 1                      | CC01      |
| CIR010020F    | 1-2                   | Full             | 0.7                     | 15                 | 1.4        | -15~+60                    | 30                     | CC32      |
| CIR010020B    | 1-2                   | Full             | 0.7                     | 15                 | 1.4        | -15~+60                    | 60                     | CC32(N)   |
| CIR010011H60K | 1.01-1.11             | Full             | 0.3                     | 20                 | 1.2        | -25~+65                    | 500                    | CC41(N)   |
| CIR01050050A  | 1.05-1.1              | Full             | 0.3                     | 23                 | 1.2        | -15~+60                    | 60                     | CC01      |
| CIR1200250A   | 1.2-1.45              | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 200                    | CC01      |
| CIR1280120A   | 1.28-1.4              | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 100                    | CC04      |
| CIR01290020A  | 1.29-1.31             | Full             | 0.3                     | 23                 | 1.2        | -15~+60                    | 1                      | CC03      |
| CIR015017N    | 1.5-1.7               | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 200                    | CC03(N)   |
| CIR017019F    | 1.7-1.9               | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 30                     | CC03      |
| CIR017022A    | 1.7-2.2               | Full             | 0.6                     | 18                 | 1.3        | -15~+60                    | 60                     | CC03      |
| CIR017024F    | 1.7-2.4               | Full             | 0.5                     | 20                 | 1.3        | -15~+60                    | /                      | CC33      |
| CIR018030A    | 1.8-3                 | Full             | 0.6                     | 17                 | 1.35       | -15~+60                    | 20                     | CC39      |
| CIR019025F    | 1.9-25                | Full             | 0.7                     | 17                 | 1.35       | -15~+60                    | 20                     | CC33      |
| CIR020035B    | 2-3.5                 | Full             | 0.6                     | 16                 | 1.4        | -15~+60                    | 100                    | CC41      |
| CIR020040G    | 2-4                   | 200              | 0.3                     | 23                 | 1.2        | -30~+70                    | 50                     | CC15      |
| CIR020040F    | 2-4                   | Full             | 0.6                     | 16                 | 1.4        | -15~+60                    | 20                     | CC13      |
| CIR020040H    | 2-4                   | Full             | 0.6                     | 16                 | 1.4        | -15~+60                    | 50                     | CC13      |
| CIR023024F    | 2.3-2.4               | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | /                      | CC03      |
| CIR023027F    | 2.3-2.7               | Full             | 0.6                     | 18                 | 1.35       | -15~+60                    | 150                    | CC03      |
| CIR024025A    | 2.4-2.5               | Full             | 0.3                     | 21                 | 1.2        | -15~+60                    | 4                      | CC03      |
| CIR024025N    | 2.4-2.5               | Full             | 0.25                    | 20                 | 1.25       | -30~+70                    | 500                    | CC31(N)   |
| CIR025030A    | 2.5-3                 | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 10                     | CC15      |
| CIR027031F    | 2.7-3.1               | Full             | 0.3                     | 20                 | 1.25       | -20~+60                    | 300                    | CC40      |
| CIR0273060A   | 2.73-2.79             | Full             | 0.3                     | 23                 | 1.2        | -15~+60                    | 50                     | CC03      |
| CIR035080G    | 3.5-8                 | 450              | 0.4                     | 23                 | 1.2        | -40~+70                    | 50                     | CC05      |
| CIR037043F    | 3.7-4.3               | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 20                     | CC05      |
| CIR0385300A   | 3.85-4.15             | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 20                     | CC05      |
| CIR04175MS    | 3.95-4.4              | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 20                     | CC05      |
| CIR040080F    | 4-8                   | Full             | 0.6                     | 18                 | 1.3        | -15~+60                    | 20                     | CC35      |
| CIR044050F    | 4.4-5                 | Full             | 0.4                     | 20                 | 1.2        | -15~+60                    | 80                     | CC37(N)   |
| CIR049053F    | 4.9-5.3               | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 10                     | CC05      |
| CIR0550S      | 5-6                   | Full             | 0.4                     | 10                 | 1.25       | -15~+60                    | 35                     | CC05      |

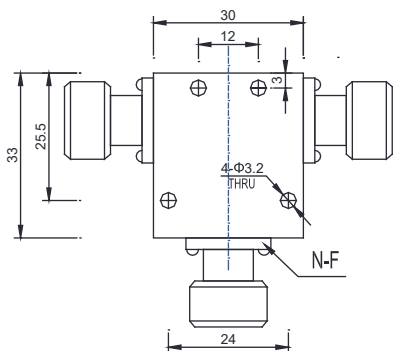


## COAXIAL CIRCULATOR

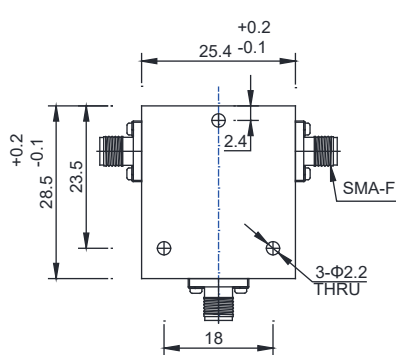
| Part Number   | Frequency Range (GHz) | Band Width (MHz) | Insertion Loss (dB.Max) | Isolation (dB.Min) | VSWR (Max) | Operating Temperature (°c) | Power Handling (W.FWD) | Case Type |
|---------------|-----------------------|------------------|-------------------------|--------------------|------------|----------------------------|------------------------|-----------|
| CIR050080H050 | 5-8                   | Full             | 0.4                     | 20                 | 1.25       | -40~+80                    | 50                     | CC38      |
| CIR060085F    | 6-8.5                 | Full             | 0.6                     | 18                 | 1.3        | -15~+60                    | /                      | CC17      |
| CIR060120F    | 6-12                  | Full             | 0.6                     | 16                 | 1.4        | -15~+60                    | 20                     | CC12      |
| CIR060180F    | 6-18                  | Full             | 1.5                     | 10                 | 1.9        | -15~+60                    | 10                     | CC34      |
| CIR068068F    | 6.8                   | Full             | 0.4                     | 20                 | 1.25       | -10~+50                    | 20CW                   | CC05      |
| CIR070200G    | 7-20                  | 1300             | 0.4                     | 20                 | 1.25       | -40~+70                    | 20                     | CC07      |
| CIR071074NF   | 7.1-7.4               | Full             | 0.3                     | 23                 | 1.2        | -15~+60                    | 20                     | CC10      |
| CIR0950S      | 8-11                  | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 25                     | CC07      |
| CIR080120F    | 8-12                  | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 10                     | CC07      |
| CIR080180F    | 8-18                  | Full             | 0.8                     | 16                 | 1.5        | -15~+60                    | 10                     | CC36      |
| CIR08950MS    | 8.3-9.6               | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 10                     | CC07      |
| CIR1000S      | 8.5-11.5              | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 30                     | CC07      |
| CIR090094F    | 9-9.4                 | Full             | 0.4                     | 23                 | 1.2        | -15~+60                    | 50                     | CC07      |
| CIR090100F    | 9-10                  | Full             | 0.4                     | 23                 | 1.2        | -15~+60                    | 50                     | CC07      |
| CIR1112S      | 9.5-12.75             | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 25                     | CC07      |
| CIR109503800A | 10.95-14.75           | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 10                     | CC16      |
| CIR120180F    | 12-18                 | Full             | 0.6                     | 18                 | 1.35       | -15~+60                    | 10                     | CC07      |
| CIR14150MS    | 13.5-14.8             | Full             | 0.4                     | 20                 | 1.25       | -15~+60                    | 5                      | CC07      |
| CIR1650S      | 15-18                 | Full             | 0.5                     | 20                 | 1.25       | -15~+60                    | 20                     | CC07      |
| CIR180245G    | 18-24.5               | 650              | 0.6                     | 18                 | 1.35       | -40~+70                    | 10                     | CC08      |
| CIR180265F    | 18-26.5               | Full             | 1                       | 15                 | 1.45       | -10~+50                    | 10                     | CC42      |
| CIR18975MS    | 18.65-19.3            | Full             | 0.6                     | 18                 | 1.35       | -15~+60                    | 30                     | CC07      |
| CIR19350MS    | 18.7-20               | Full             | 0.6                     | 18                 | 1.3        | -15~+60                    | /                      | CC07      |



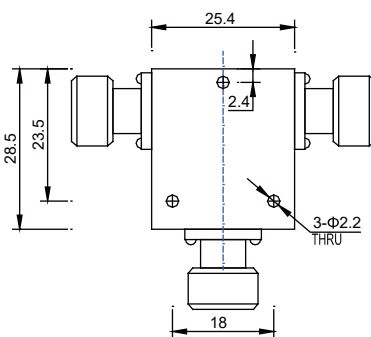
CC01



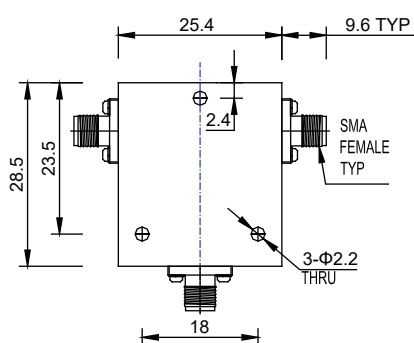
CC01(N)



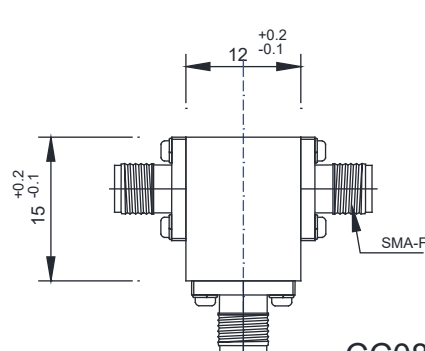
CC03



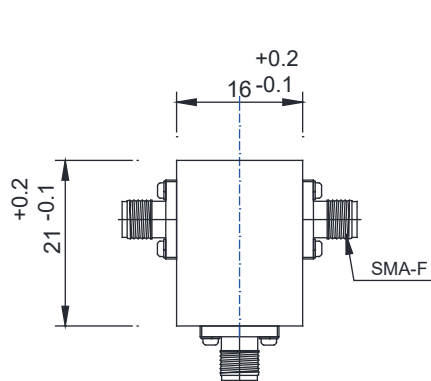
CC03(N)



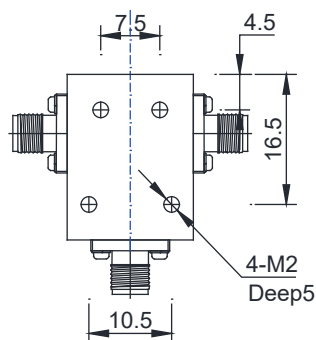
CC04

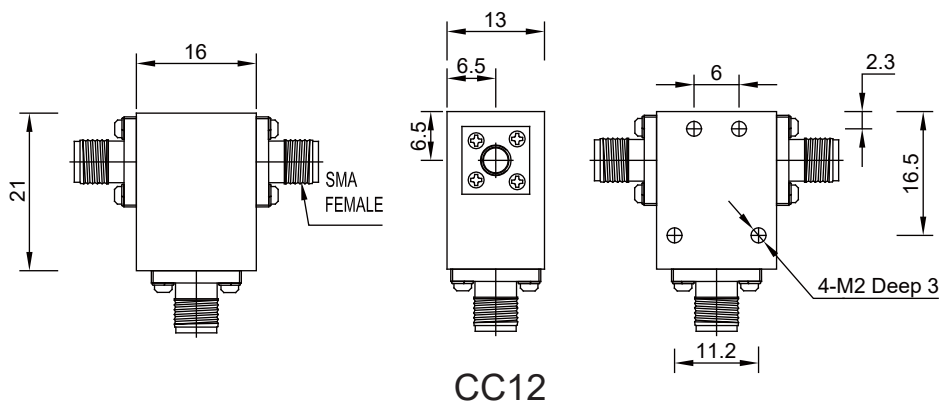
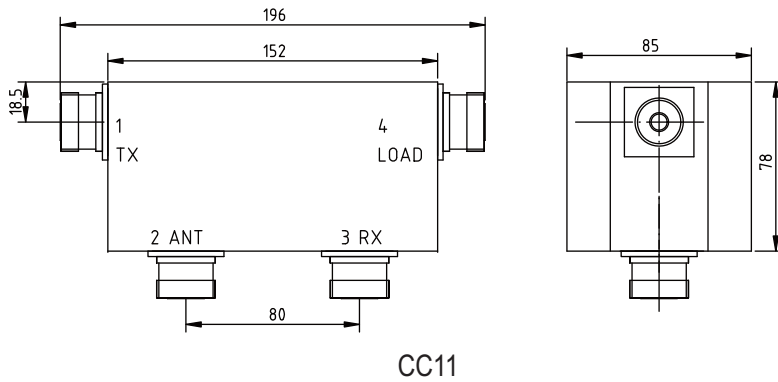
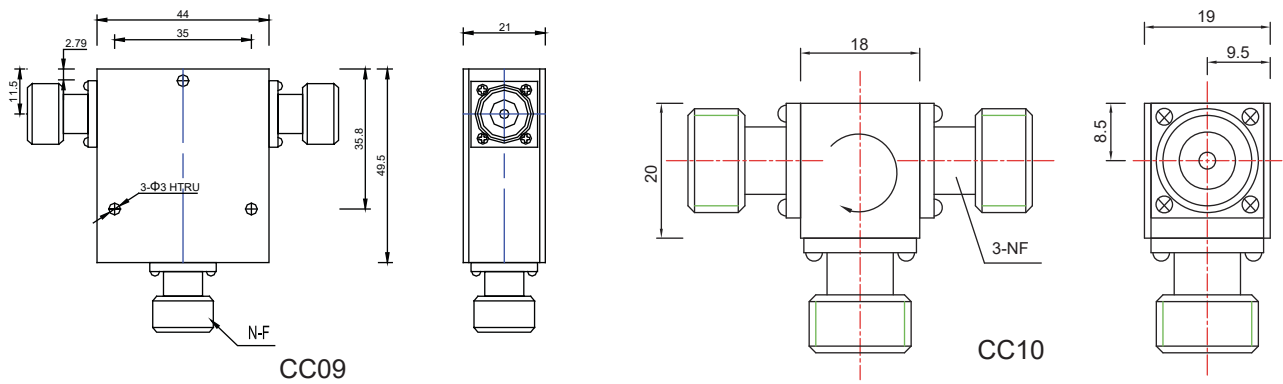
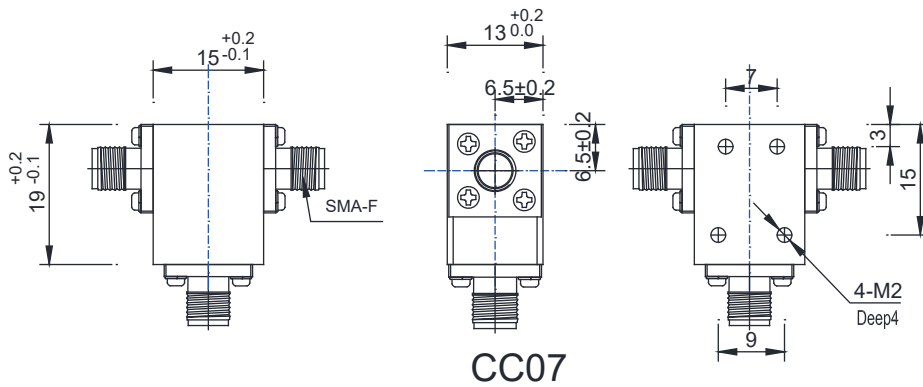


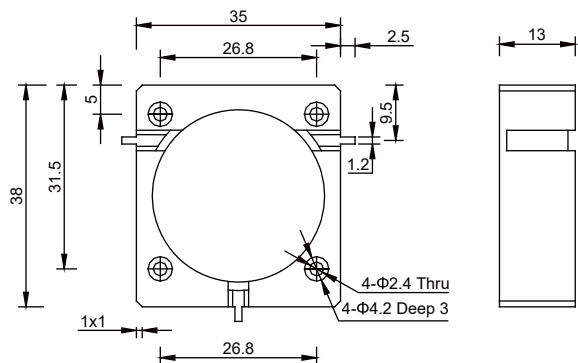
CC08



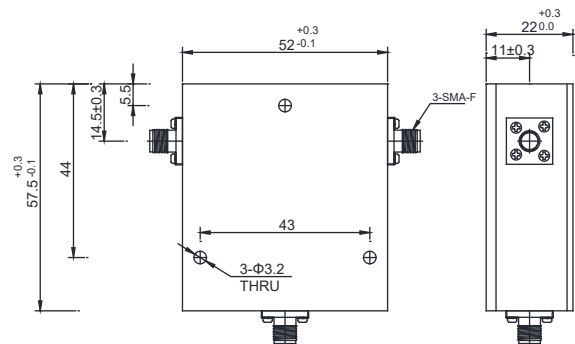
CC05



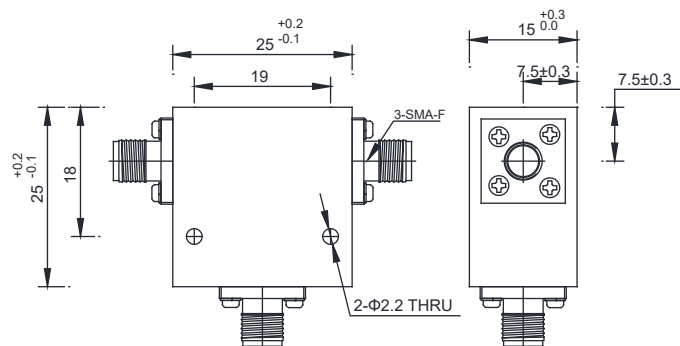




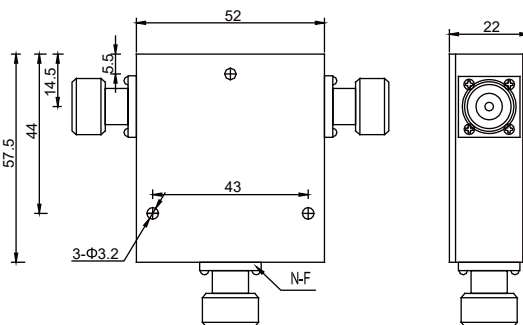
CC13



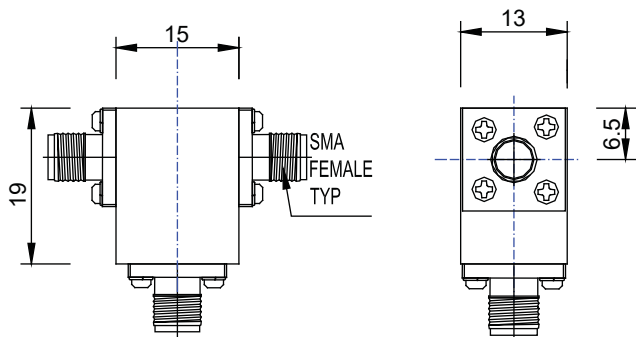
CC14



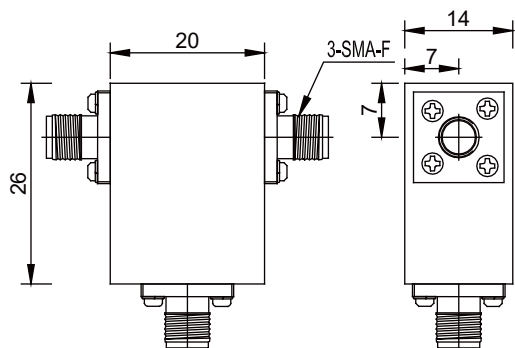
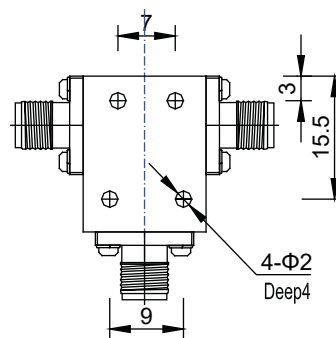
CC15



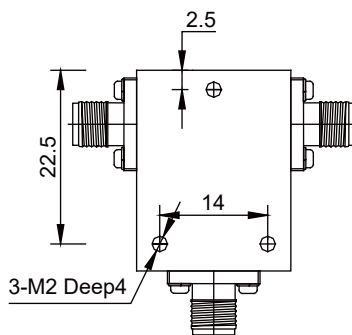
CC18(N)

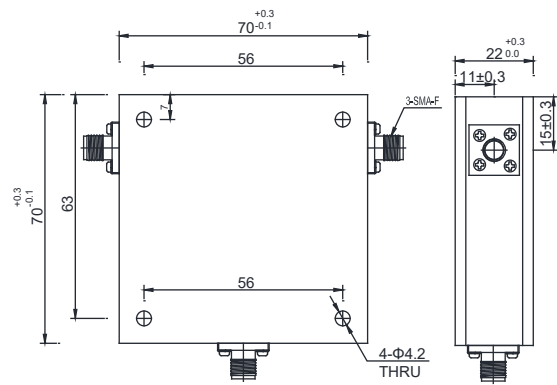


CC16

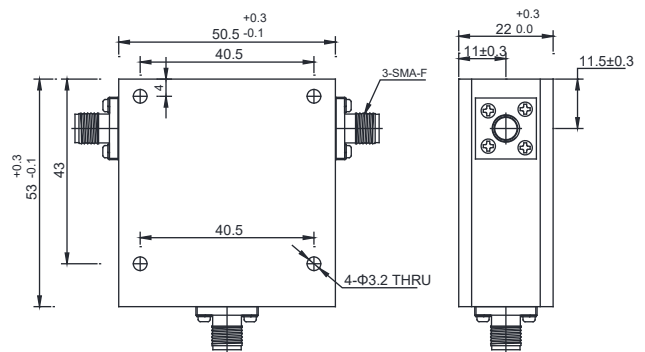


CC17

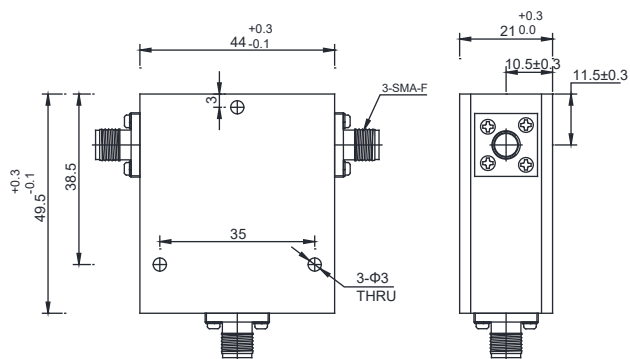




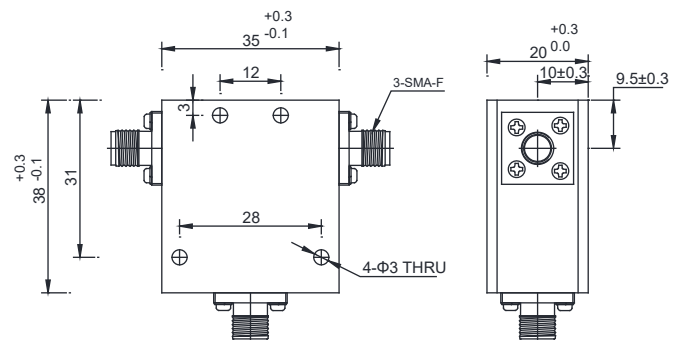
CC19



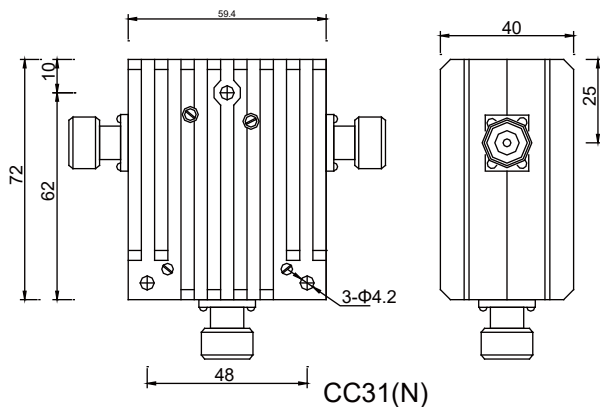
CC20



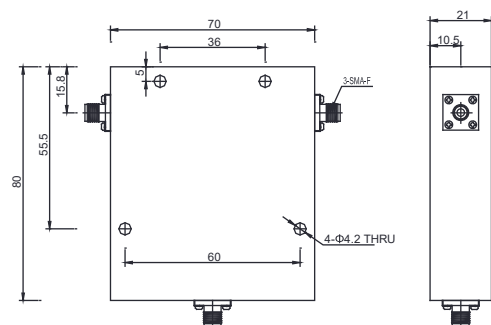
CC21



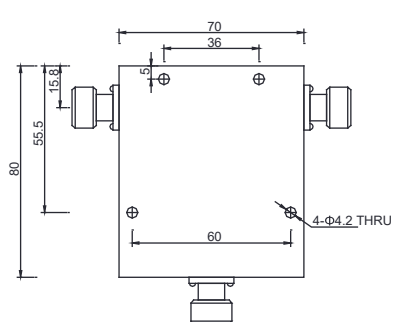
CC22



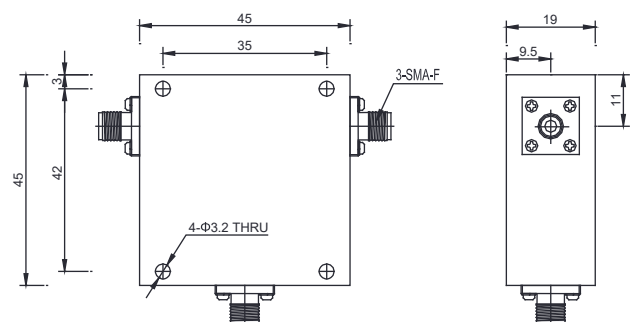
CC31(N)



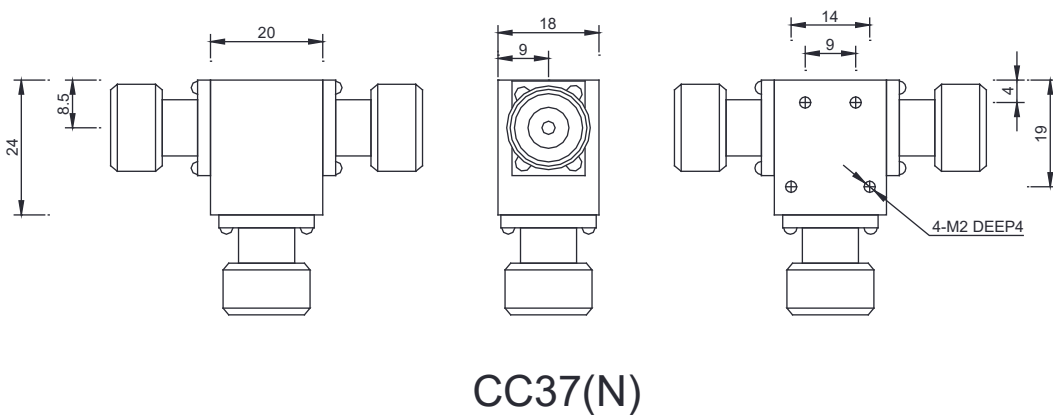
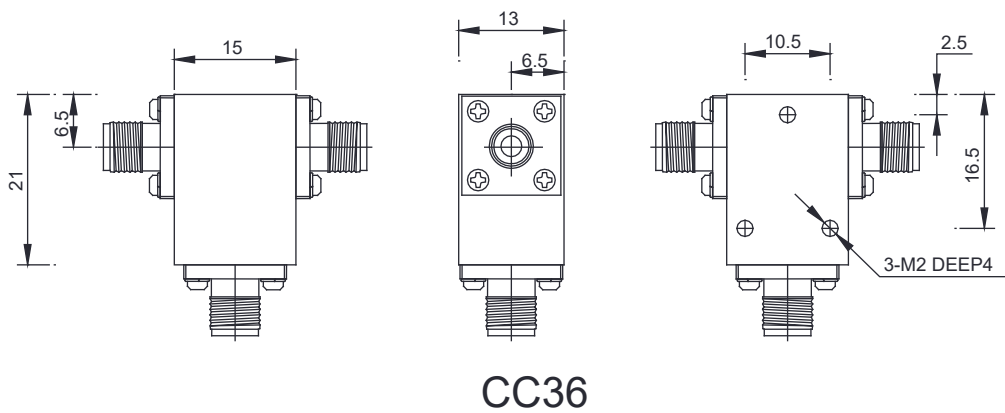
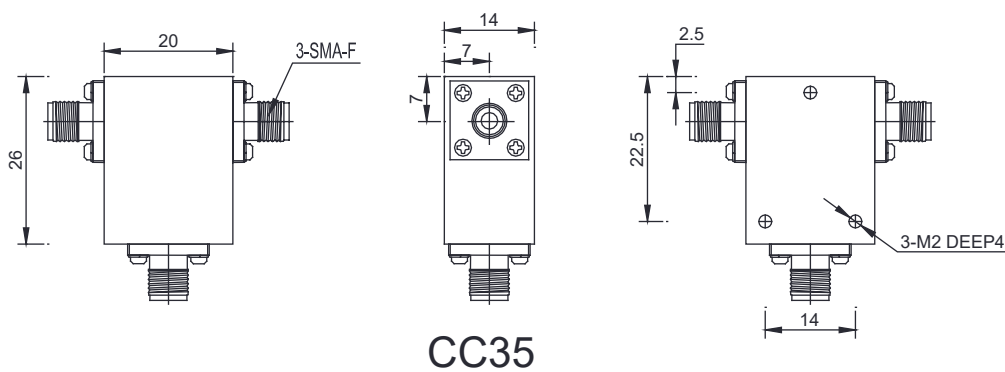
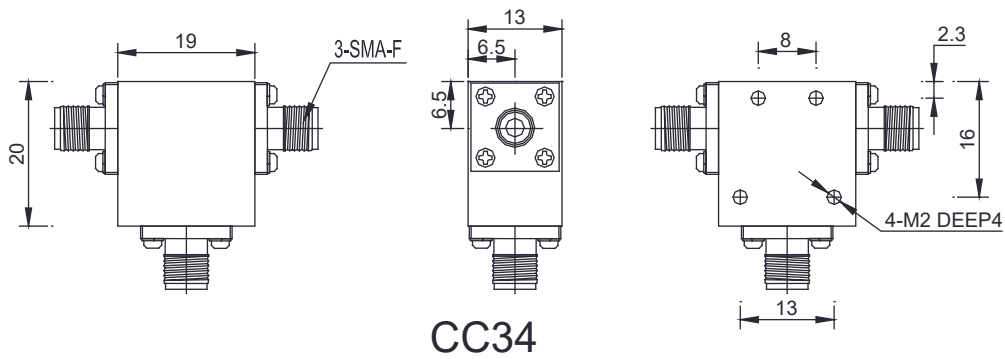
CC32



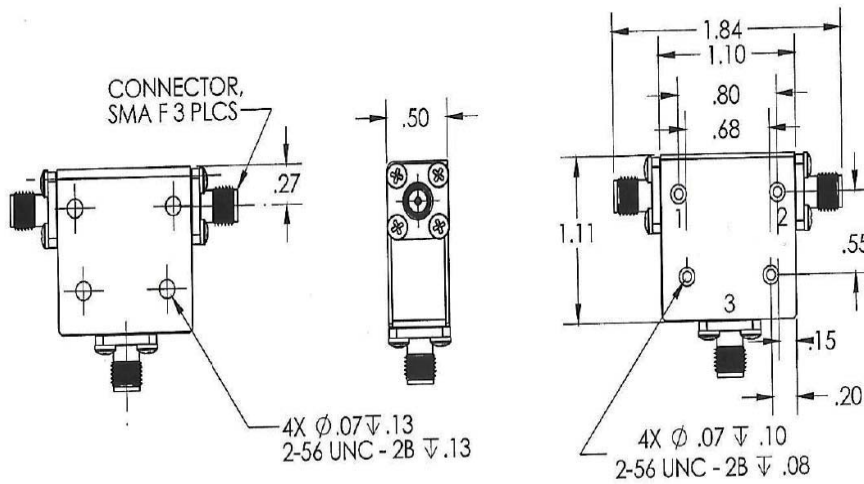
CC32(N)



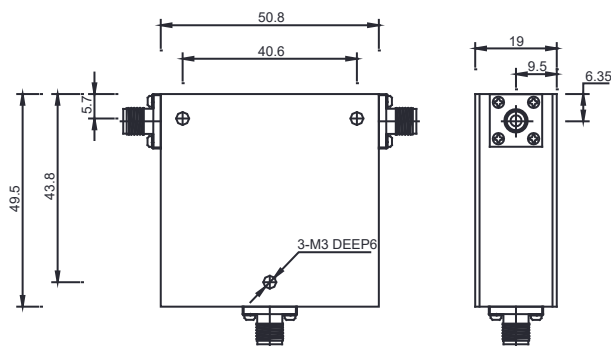
CC33



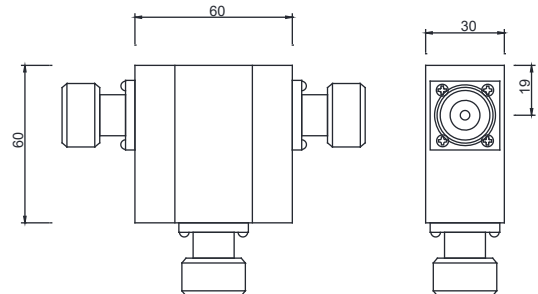




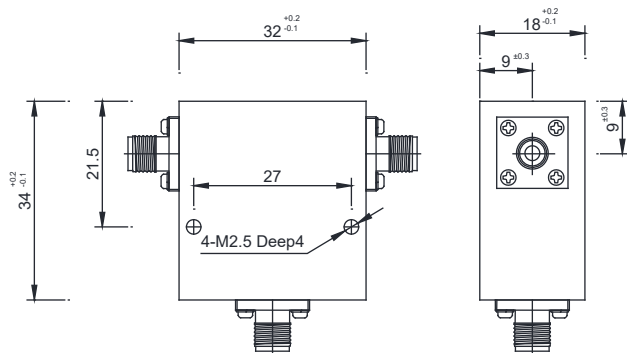
CC38



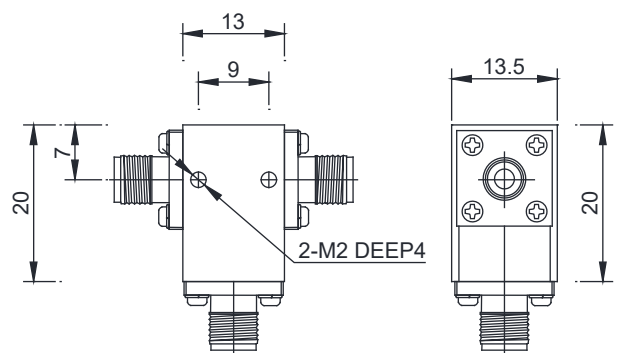
CC39



CC40



CC41



CC42

