

# DATA SHEET

## **CIRCULATORS/ISOLATORS 1 TO 2 GHZ**

Product specification  
Supersedes data of October 1995  
File under Professional Components, PC06

1998 Feb 20

## CIRCULATORS/ISOLATORS

### 1 TO 2 GHZ

Preferred application: radio links and navigation, pcn

| TYPE           | DIMENSIONS<br>Fig. | FREQUENCY RANGE<br>MHz | MAXIMUM POWER |                |
|----------------|--------------------|------------------------|---------------|----------------|
|                |                    |                        | CW<br>W       | REFLECTED<br>W |
| 2722 162 03591 | 1                  | 960 to 1225            | 100           |                |
| 2722 162 08341 | 2                  | 1200 to 1415           | 20            |                |
| 2722 162 07511 | 3                  | 1215 to 1400           | 250           |                |
| 2722 162 08641 | 4                  | 1230 to 1365           | 60            |                |
| 2722 162 05331 | 5                  | 1350 to 1700           | 10            |                |
| 2722 162 05571 | 5                  | 1350 to 2100           |               |                |
| 06701          | 6                  |                        |               |                |
| 2722 162 02492 | 2                  | 1427 to 1535           | 10            |                |
| 03802          | 1                  |                        |               |                |
| 2722 162 08921 | 7                  | 1930 to 1990           | 60            |                |
| VAO 1001       | 1                  | 1450 to 1500           | 130           |                |
| VBN 1012A      | 8                  | 1270 to 1400           | 120           |                |
| VFT 1015       | 9                  | 1930 to 1990           | 50            |                |
| VAT 1019       | 10                 | 1930 to 1990           | 50            |                |
| VFS 1021       | 9                  | 1805 to 1880           | 50            |                |
| VAS 1024       | 10                 | 1805 to 1880           | 50            |                |
| VLS 1027       | 11                 | 1805 to 1880           | 40            |                |
| VBS 1028       | 12                 | 1805 to 1880           | 50            |                |
| VGS 1029       | 13                 | 1850 to 1910           | 1             |                |
| VBO 1030A      | 8                  | 1450 to 1500           | 60            |                |

## CIRCULATORS/ISOLATORS

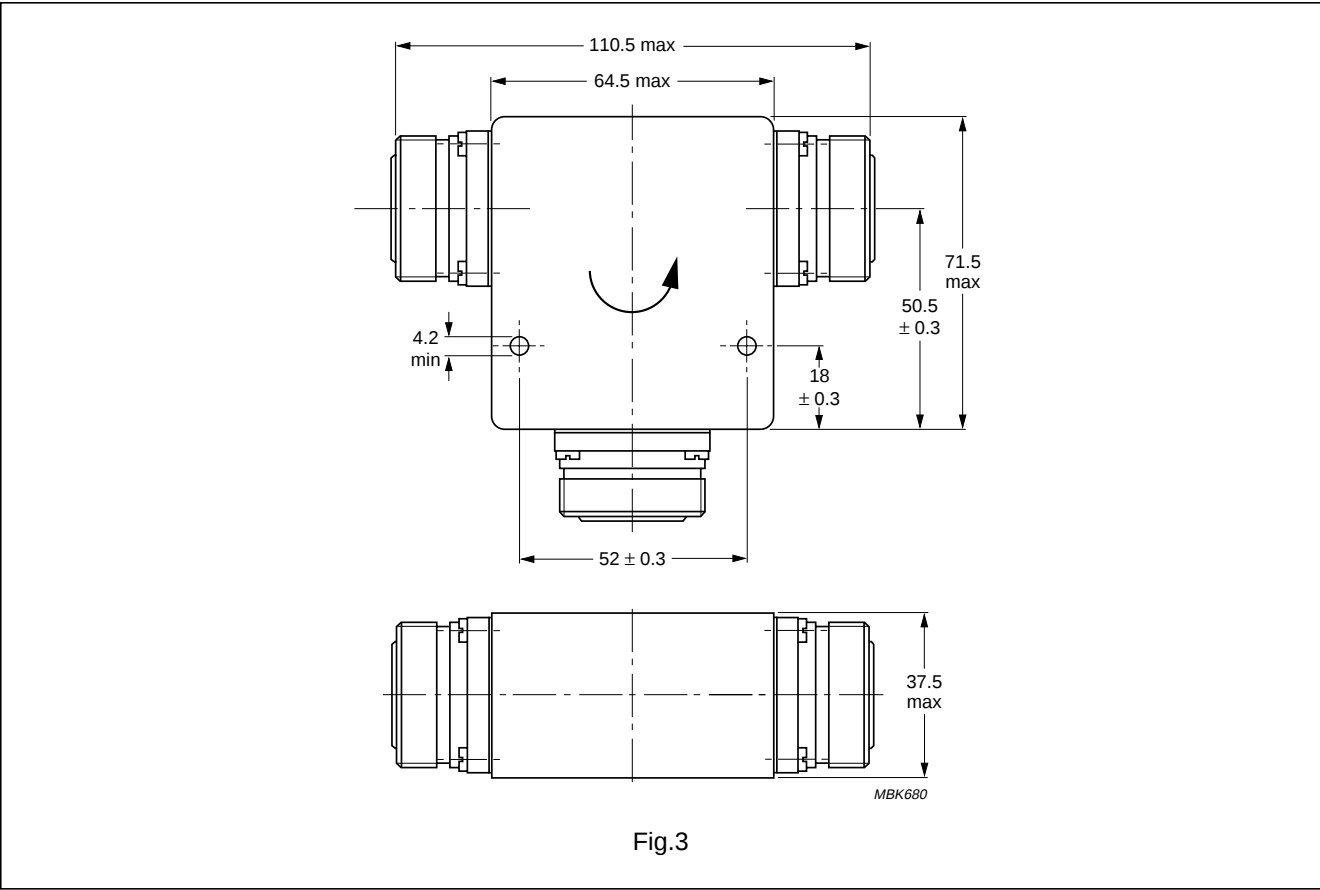
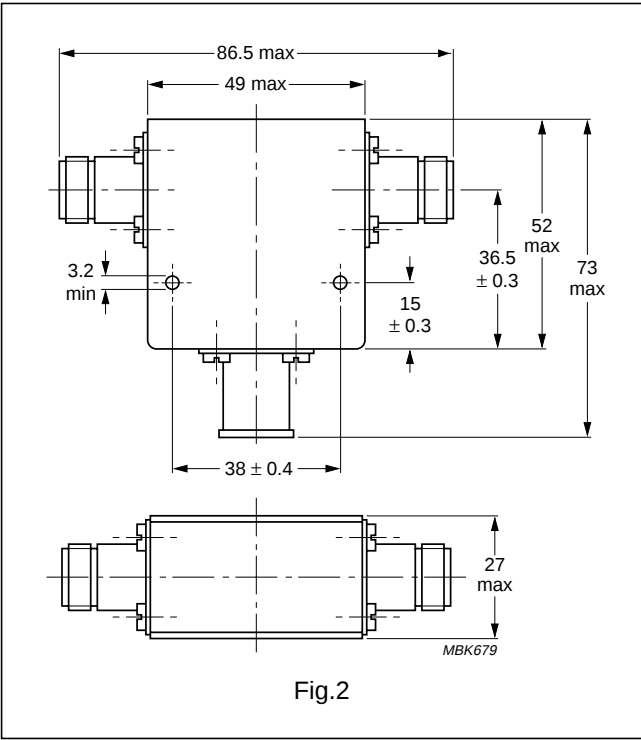
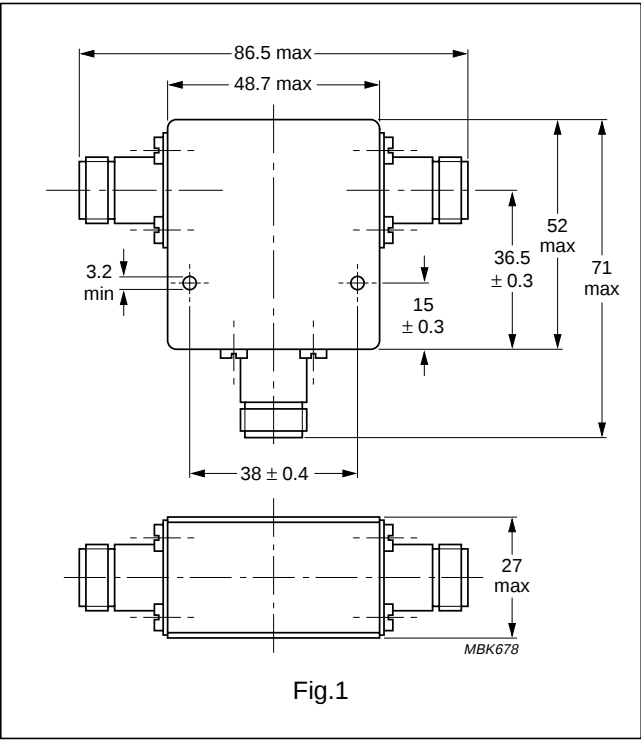
### 1 TO 2 GHZ

| TYPE                    | ISOLATION  |            | INSERTION LOSS |            | VSWR   |      | TEMP.<br>RANGE<br>°C | CONNECTOR               | MASS<br>g |
|-------------------------|------------|------------|----------------|------------|--------|------|----------------------|-------------------------|-----------|
|                         | MIN.<br>dB | TYP.<br>dB | MAX.<br>dB     | TYP.<br>dB | MAX.   | TYP. |                      |                         |           |
| 2722 162 03591          | 20         | 22         | 0,5            | 0,35       | 1,25   | 1,20 | -10 to +60           | N female                | 460       |
| 2722 162 08341          | 20         |            | 0,4            |            | 1,25   |      | 0 to +70             | N female                | 400       |
| 2722 162 07511          | 19         |            | 0,3            |            | 1,25   |      | 0 to +50             | HF 7/16 female          | 1200      |
| 2722 162 08641          | 20         |            | 0,4            |            | 1,25   |      | 0 to +55             | SMA female,<br>N female | 180       |
| 2722 162 05331          | 20         | 23         | 0,4            | 0,3        | 1,2    | 1,15 | 0 to +45             | SMA female              | 120       |
| 2722 162 05571<br>06701 | 17         |            | 0,5            |            | 1,35   |      | -15 to +65           | SMA female              | 120       |
| 2722 162 02492<br>03802 | 20         | 24         | 0,4            | 0,3        | 1,15   | 1,12 | 0 to +55             | N female                | 400       |
| 2722 162 08921          | ≥ 50       |            | ≤ 0,5          |            | ≤ 1,25 |      | -10 to +65           | SMB, TNC                |           |
| VAO 1001                | 23         |            | 0,25           |            | 1,15   |      | 0 to +50             | N                       |           |
| VBN 1012A               | 20         |            | 0,40           |            | 1,25   |      | -30 to +95           | solder tabs             |           |
| VFT 1015                | 23         |            | 0,25           |            | 1,15   |      | -10 to +55           | N, SMA                  |           |
| VAT 1019                | 23         |            | 0,25           |            | 1,15   |      | -10 to +55           | N, SMA                  |           |
| VFS 1021                | 23         |            | 0,25           |            | 1,15   |      | -10 to +55           | N, SMA                  |           |
| VAS 1024                | 23         |            | 0,25           |            | 1,15   |      | -10 to +55           | N, SMA                  |           |
| VLS 1027                | 45         |            | 0,50           |            | 1,20   |      | —                    | solder tabs             |           |
| VBS 1028                | 20         |            | 0,30           |            | 1,25   |      | —                    | solder tabs             |           |
| VGS 1029                | 23         |            | 0,35           |            | 1,20   |      | —                    | solder tabs             |           |
| VBO 1030A               | 23         |            | 0,30           |            | 1,15   |      | —                    | solder tabs             |           |

**Note**

1. 2x semi-rigid cable

CIRCULATORS/ISOLATORS  
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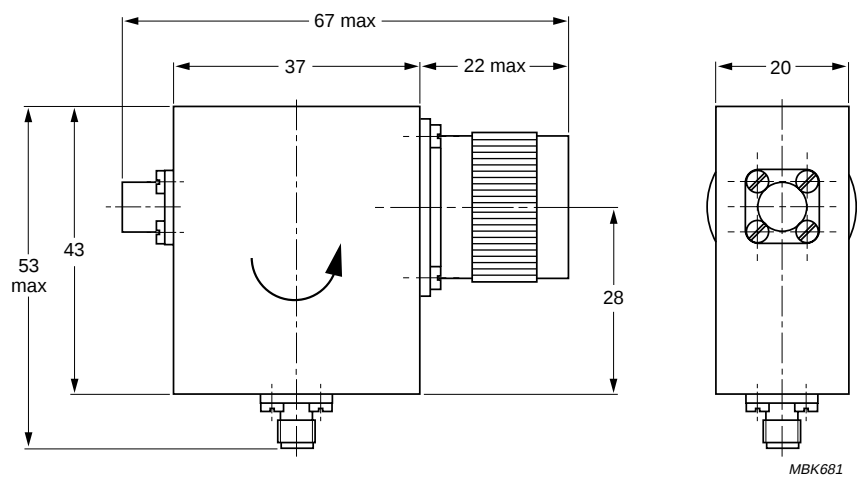


Fig.4

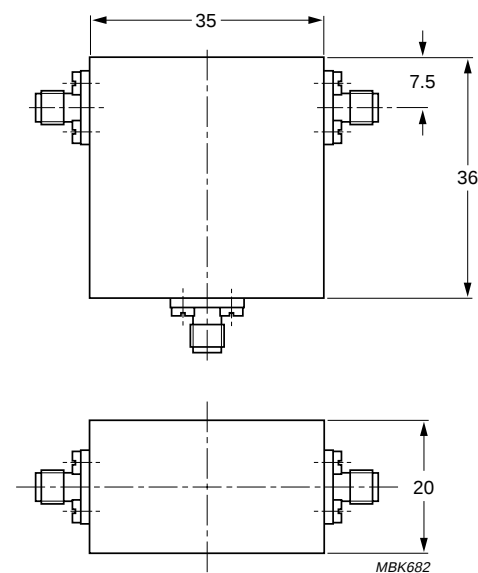


Fig.5

CIRCULATORS/ISOLATORS  
1 TO 2 GHZ

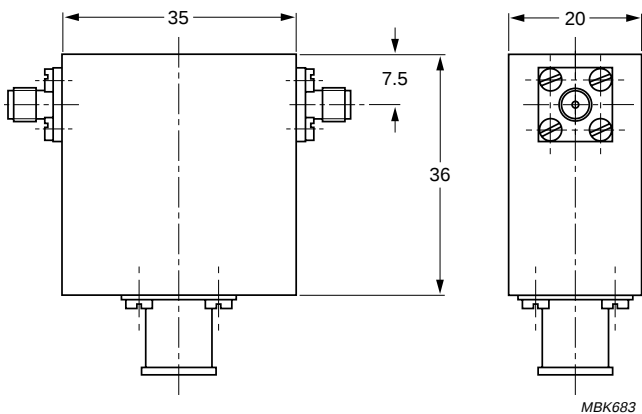


Fig.6

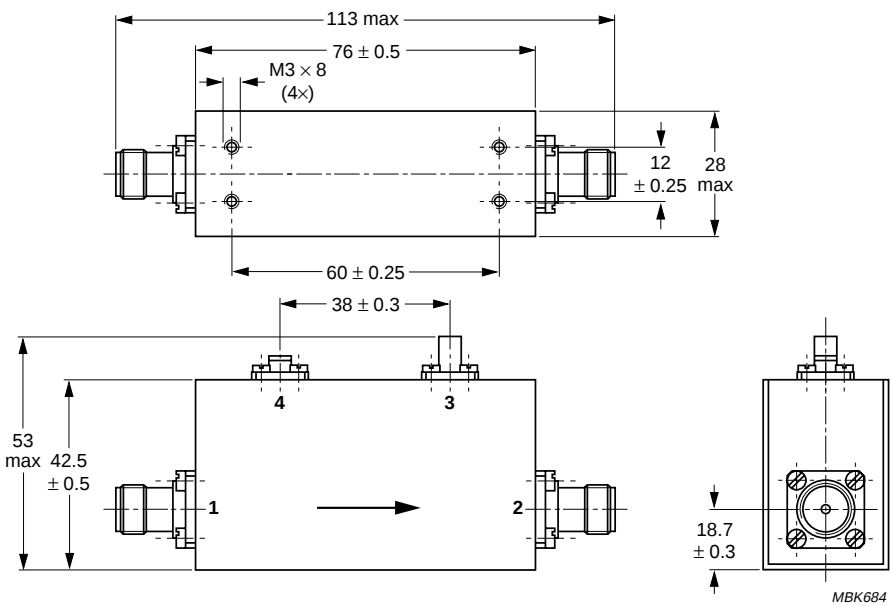


Fig.7

CIRCULATORS/ISOLATORS  
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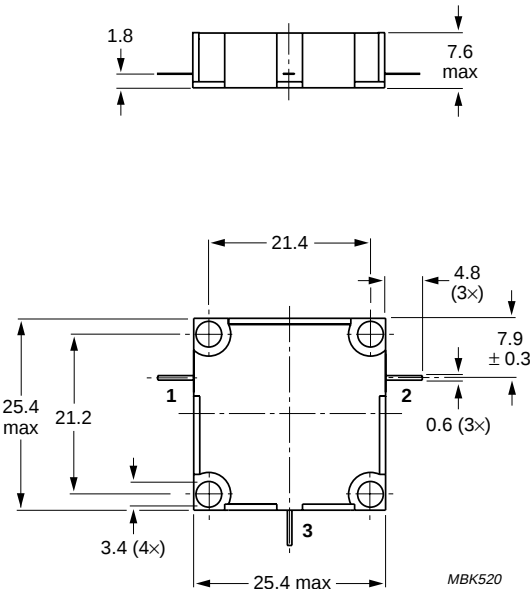


Fig.8

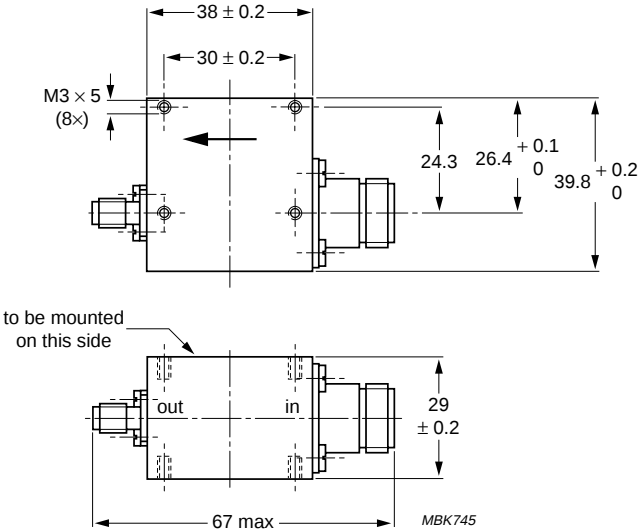


Fig.9

CIRCULATORS/ISOLATORS  
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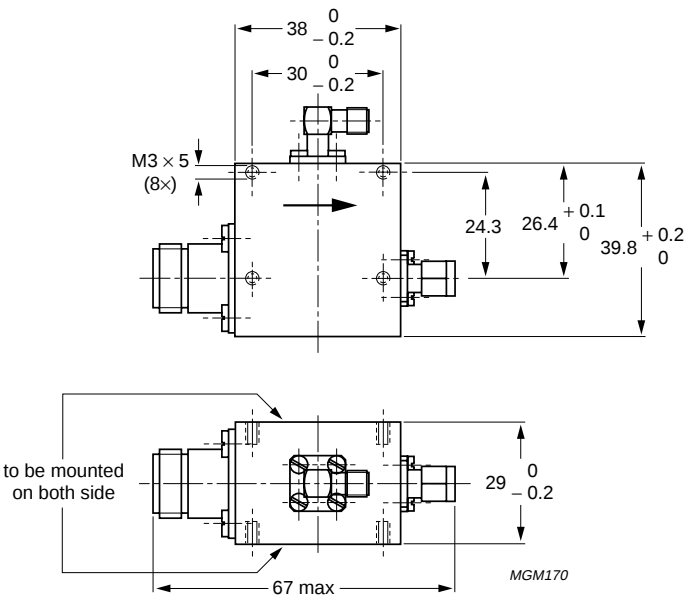


Fig.10

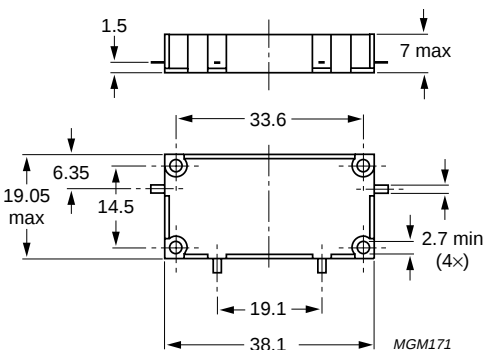


Fig.11

CIRCULATORS/ISOLATORS  
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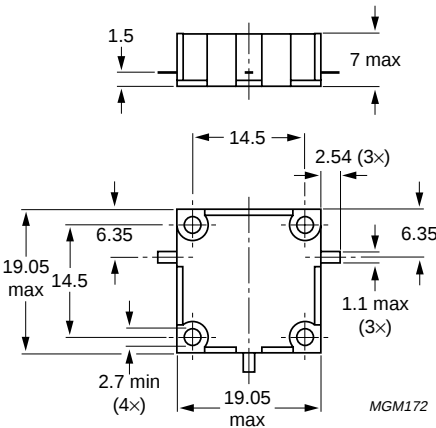


Fig.12

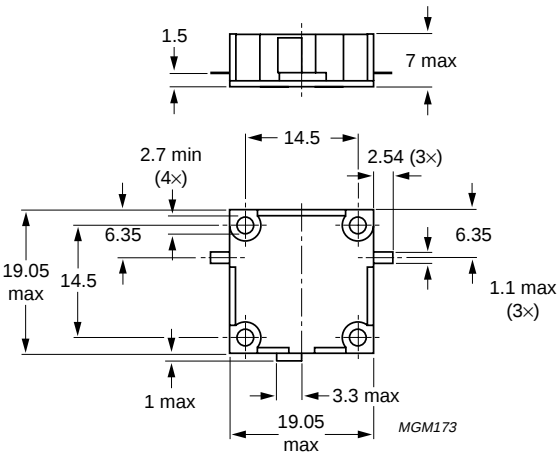


Fig.13