

RF/Microwave Devices

Circulators and Isolators

Philips circulators and isolators meet a wide range of VHF, UHF and microwave requirements. The product line has a frequency range of 50 MHz to 18 GHz, isolation up to 55 dB, insertion loss as low as 0.2 dB and CW power rating up to 6.5 kW. Applications include TV and radio transmitters, communication systems, navigation aids, radar, diathermy and magnetic resonance tomography, industrial microwave heating systems and wideband measurements.

Circulators (in order of frequency range)

| Type | Package Outline | Frequency Range (MHz) | CW Power, Load VSWR = 2 (W) | min Isolation (dB) | max Insertion Loss (dB) | Configuration |
|----------------|-----------------|-----------------------|-----------------------------|--------------------|-------------------------|---------------|
| 2722 162 07271 | fig. 2 | 54 to 60 | 130 | 17 | 0.7 | coaxial |
| 2722 162 07281 | fig. 2 | 66 to 72 | 130 | 17 | 0.7 | coaxial |
| 2722 162 05151 | fig. 1 | 74.5 to 75.5 | 25 | 20 | 0.8 | coaxial |
| 2722 162 07031 | fig. 2 | 82 to 88 | 200 | 18 | 0.6 | coaxial |
| 2722 162 05991 | fig. 3 | 88 to 108 | 50 | 18 | 0.8 | coaxial |
| 2722 162 07021 | fig. 2 | 88 to 108 | 300 | 16 | 0.8 | coaxial |
| 2722 162 03342 | fig. 3 | 96 to 146 | 50 | 18 | 1.3 | coaxial |
| 2722 162 03332 | fig. 4 | 96 to 146 | 50 | 18 | 1.3 | coaxial |
| 2722 162 05881 | fig. 3 | 100 to 163 | 75 | 15 | 1.0 | coaxial |
| 2722 162 05891 | fig. 2 | 100 to 163 | 300 | 15 | 1.0 | coaxial |
| 2722 162 05001 | fig. 1 | 138 to 141 | 110 | 20 | 0.4 | coaxial |
| 2722 162 05755 | fig. 1 | 146 to 174 | 110 | 20 | 0.4 | coaxial |
| 2722 162 05201 | fig. 1 | 150.9 to 156.1 | 110 | 20 | 0.4 | coaxial |
| 2722 162 03841 | fig. 1 | 157.9 to 163.1 | 110 | 20 | 0.4 | coaxial |
| 2722 162 01871 | fig. 5 | 160 to 178 | 500 | 20 | 0.35 | coaxial |
| 2722 162 01901 | fig. 6 | 160 to 178 | 1000 | 20 | 0.35 | coaxial |
| 2722 162 03851 | fig. 1 | 165.4 to 170.6 | 110 | 20 | 0.4 | coaxial |
| 2722 162 07005 | fig. 1 | 170 to 230 | 100 | 20 | 0.5 | coaxial |
| 2722 162 01861 | fig. 5 | 173 to 204 | 500 | 20 | 0.35 | coaxial |
| 2722 162 01891 | fig. 6 | 173 to 204 | 1000 | 20 | 0.35 | coaxial |
| 2722 162 05971 | fig. 8 | 173 to 204 | 1500 | 20 | 0.35 | coaxial |
| 2722 162 05031 | fig. 6 | 195 to 205 | 1000 | 20 | 0.4 | coaxial |
| 2722 162 01851 | fig. 5 | 200 to 230 | 500 | 20 | 0.35 | coaxial |
| 2722 162 01881 | fig. 6 | 200 to 230 | 1000 | 20 | 0.35 | coaxial |
| 2722 162 05981 | fig. 8 | 200 to 230 | 1500 | 20 | 0.35 | coaxial |
| 2722 162 01931 | fig. 9 | 225 to 270 | 150 | 18 | 0.35 | coaxial |
| 2722 162 03171 | fig. 5 | 225 to 270 | 500 | 20 | 0.35 | coaxial |
| 2722 162 03181 | fig. 6 | 225 to 270 | 1000 | 20 | 0.35 | coaxial |
| 2722 162 03722 | fig. 4 | 225 to 400 | 60 | 16 | 1.3 | coaxial |
| 2722 162 03732 | fig. 3 | 225 to 400 | 60 | 16 | 1.3 | coaxial |
| 2722 162 05781 | fig. 3 | 225 to 400 | 200 | 17 | 0.75 | coaxial |
| 2722 162 01941 | fig. 9 | 270 to 330 | 150 | 18 | 0.35 | coaxial |
| 2722 162 01951 | fig. 9 | 330 to 400 | 150 | 18 | 0.35 | coaxial |
| 2722 162 03411 | fig. 10 | 400 to 470 | 100 | 20 | 0.5 | coaxial |
| 2722 162 01572 | fig. 11 | 400 to 470 | 300 | 20 | 0.35 | coaxial |
| 2722 162 03991 | fig. 12 | 433 to 435 | 2000 | 20 | 0.4 | coaxial |
| 2722 162 01555 | fig. 10 | 462 to 468 | 100 | 25 | 0.5 | coaxial |
| 2722 162 01551 | fig. 13 | 470 to 600 | 100 | 20 | 0.5 | coaxial |
| 2722 162 01582 | fig. 14 | 470 to 600 | 300 | 20 | 0.35 | coaxial |
| 2722 162 01632 | fig. 14 | 470 to 600 | 300 | 20 | 0.35 | coaxial |
| 2722 162 01121 | fig. 15 | 470 to 600 | 500 | 22 | 0.35 | coaxial |
| 2722 162 05371 | fig. 16 | 470 to 600 | 700 | 20 | 0.4 | coaxial |
| 2722 162 01261 | fig. 17 | 470 to 600 | 2000 | 20 | 0.35 | coaxial |
| 2722 162 01771 | fig. 12 | 470 to 600 | 2000 | 20 | 0.35 | coaxial |
| 2722 162 03001 | fig. 18 | 470 to 600 | 2000 | 20 | 0.4 | coaxial |
| 2722 162 01563 | fig. 13 | 550 to 650 | 100 | 20 | 0.5 | coaxial |
| 2722 162 01592 | fig. 11 | 550 to 650 | 300 | 20 | 0.35 | coaxial |
| 2722 162 01642 | fig. 14 | 550 to 650 | 300 | 20 | 0.35 | coaxial |
| 2722 162 01131 | fig. 15 | 550 to 650 | 500 | 22 | 0.35 | coaxial |
| 2722 162 05381 | fig. 16 | 590 to 720 | 700 | 20 | 0.4 | coaxial |
| 2722 162 01281 | fig. 17 | 590 to 720 | 2000 | 22 | 0.35 | coaxial |
| 2722 162 01781 | fig. 12 | 590 to 720 | 2000 | 20 | 0.35 | coaxial |
| 2722 162 03011 | fig. 18 | 590 to 720 | 2000 | 20 | 0.4 | coaxial |

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