

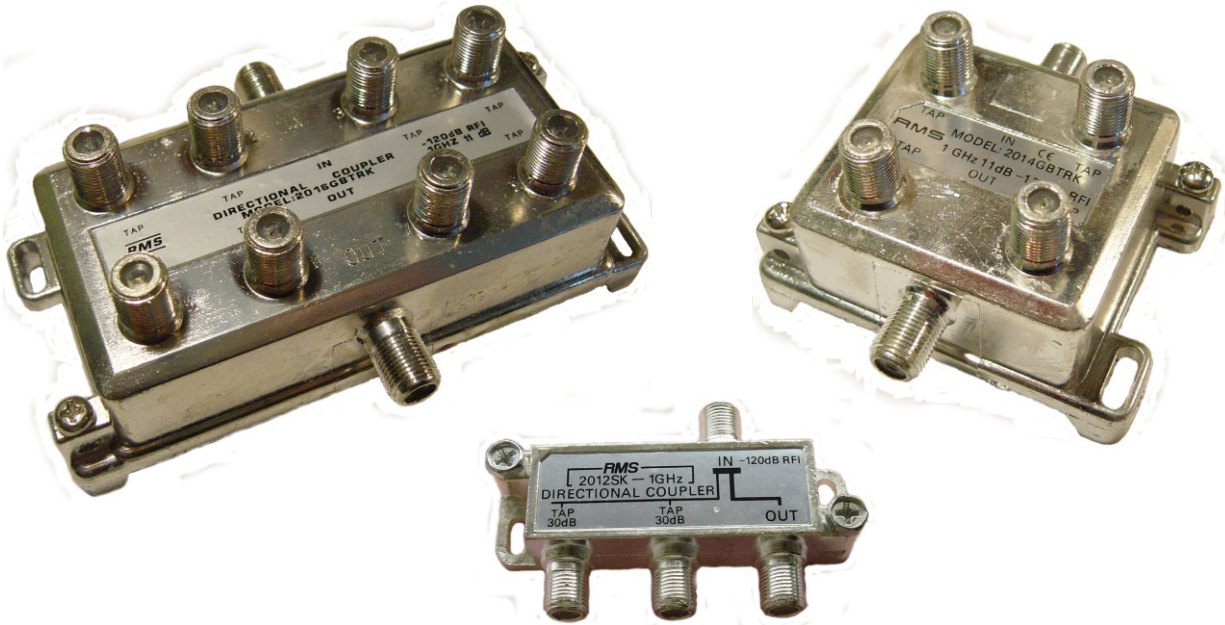


2012, 2014* & 2018*

Deluxe 2, 4 & 8 Port Directional Couplers

Standard DC

2012, 2014* & 2018* DC's



The RMS 2012 (2-Way) , 2014* (4-Way) & 2018* (8-Way) directional couplers (Taps) are ideal for indoor/outdoor applications that do not require power passing. The 2014/2018's can be joined together using a double male connectors (F71). This family is also "Digital Friendly"

Features:

- Bandwidth 5MHz to 1GHz
- RFI Shielding >-120dB
- Micro-strip designed PCB for consistency of specifications and superior total bandwidth characteristics
- Premium ferrites, resistors and capacitors
- Laminated ID label that will not fade
- Aluminum housing that is chromated and plated for maximum corrosion resistance
- Precision machined "F" ports
- Each unit is individually packaged with mounting screws & F port protectors
- 100% quality control at our factory
- Dual flush mounting tabs for easy installation
- Integrated heavy duty grounding screw
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- Concave solder back design assures 100% sealing of back plate to the housing and prevents pinholes
- Excellent insertion loss, tap loss, isolation (port/port) & return loss (input/output)
- Raised mounting tabs (GBTRK series) to route cables under housing.
- CE approved

*2014/2018 Available in raised (GBTRK) and flush mount (CT) housings.



2012, 2014* & 2018*

Deluxe 2, 4 & 8 Port Directional Couplers

| 2012SK General Specifications | | | | | | | | | | | | | | |
|-------------------------------|------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Tap Value -----> | | 4dB | 6dB | 8dB | 9dB | 11dB | 12dB | 14dB | 16dB | 17dB | 20dB | 23dB | 25dB | 30dB |
| Attenuation | 5-300MHz | 4.0 | 6.8 | 8.0 | 9.0 | 11.0 | 12.0 | 14.0 | 16.0 | 17.0 | 20.0 | 23.0 | 25.0 | 30.0 |
| (In-Tap) | " | +/-0.5dB | +/-0.5dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB |
| Maximum | 300-600MHz | 4.0 | 7.0 | 8.0 | 9.0 | 11.0 | 12.0 | 14.0 | 16.0 | 17.0 | 20.0 | 23.0 | 25.0 | 30.0 |
| Loss in dB | " | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB | +/-1.0dB |
| | 600-1GHz | 4.0 | 7.5 | 8.0 | 9.0 | 11.0 | 12.0 | 14.0 | 16.0 | 17.0 | 20.0 | 23.0 | 25.0 | 30.0 |
| | " | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB | +/-1.5dB |
| Insertion Loss | 5-300MHz | Term | 3.5 | 3.1 | 2.8 | 2.1 | 1.8 | 1.5 | 1.0 | 1.0 | 0.9 | 0.9 | 0.9 | 0.7 |
| (In - Out) | 300-600MHz | Term | 3.8 | 3.5 | 3.0 | 2.4 | 2.0 | 1.5 | 1.0 | 1.0 | 0.9 | 0.8 | 0.7 | 0.7 |
| Maximum | 600-890MHz | Term | 4.3 | 3.4 | 3.2 | 2.8 | 2.4 | 2.0 | 1.6 | 1.5 | 1.1 | 1.1 | 1.1 | 1.1 |
| Loss in dB | 890-1GHz | Term | 4.5 | 3.6 | 3.3 | 2.7 | 2.5 | 2.2 | 1.8 | 1.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| Isolation | 5-300MHz | N/A | 20 | 27 | 28 | 30 | 32 | 33 | 35 | 35 | 35 | 36 | 38 | 40 |
| (Out - Tap) | 300-600MHz | N/A | 25 | 25 | 26 | 27 | 28 | 29 | 30 | 34 | 35 | 35 | 35 | 35 |
| Minimum | 600-890MHz | N/A | 22 | 23 | 24 | 25 | 26 | 26 | 27 | 30 | 31 | 32 | 32 | 35 |
| Loss in dB | 890-1GHz | N/A | 20 | 22 | 23 | 24 | 25 | 25 | 25 | 28 | 29 | 30 | 30 | 35 |
| Isolation | 5-300MHz | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| (Tap - Tap) | 300-600MHz | 23 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Minimum | 600-890MHz | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| Loss in dB | 890-1GHz | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Return Loss | 5-300MHz | 16 In | 16 | 16 | 16 | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| (In & Out) | 300-600MHz | 18 In | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| Min Loss dB | 600-1GHz | 16 In | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Return Loss | 5-300MHz | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| (Tap) | 300-600MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| Min Loss dB | 600-1GHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Dimensions | -----> | 0.625" (Height) X 2.94" (Width) X 1.75" (Length) (15.99mm H X 74.6mm W X 44.5mm L) | | | | | | | | | | | | |

| 2014 Specifications | | | | | | | | | | | 2018 Specifications | | | | | | |
|---------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|--------|--------|--------|--------|--------|--------|
| Tap Value ---> | | 8dB | 11dB | 14dB | 17dB | 20dB | 23dB | 26dB | 29dB | 32dB | 11dB | 14dB | 17dB | 20dB | 23dB | 26dB | 29dB |
| Attenuation | 5-300MHz | 8.0 | 11.0 | 14.0 | 17.0 | 20.0 | 23.0 | 26.0 | 29.0 | 32.0 | 10.5 | 14.0 | 17.0 | 20.0 | 23.0 | 26.0 | 29.0 |
| (In-Tap) | " | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.0 |
| Maximum | 300-600MHz | 8.0 | 11.0 | 14.0 | 17.0 | 20.0 | 23.0 | 26.0 | 29.0 | 32.0 | 11.0 | 14.0 | 17.0 | 20.0 | 23.0 | 26.0 | 29.0 |
| Loss in dB | " | +/-1.0 | +/-1.0 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.0 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 |
| | 600-1GHz | 8.5 | 11.0 | 14.0 | 17.0 | 20.0 | 23.0 | 26.0 | 29.0 | 32.0 | 11.5 | 14.5 | 17.5 | 20.5 | 23.5 | 26.5 | 29.0 |
| | " | +/-1.0 | +/-1.0 | +/-1.0 | +/-1.5 | +/-1.5 | +/-1.5 | +/-2.0 | +/-2.0 | +/-2.0 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-1.5 | +/-2.0 |
| Insertion Loss | 5-300MHz | Term | 3.5 | 1.9 | 1.2 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | Term | 3.5 | 1.9 | 1.2 | 0.8 | 0.8 | 0.7 |
| (In - Out) | 300-600MHz | Term | 4.0 | 2.2 | 1.5 | 1.0 | 0.9 | 0.8 | 0.8 | 0.8 | Term | 4.0 | 2.2 | 1.5 | 1.0 | 0.9 | 0.8 |
| Maximum dB | 600-1000MHz | Term | 4.5 | 2.5 | 2.0 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | Term | 4.5 | 2.5 | 2.0 | 1.4 | 1.2 | 1.0 |
| Isolation | 5-300MHz | Term | 22 | 28 | 35 | 36 | 38 | 38 | 40 | 43 | Term | 22 | 28 | 35 | 36 | 38 | 38 |
| (Out - Tap) | 30-600MHz | Term | 26 | 28 | 32 | 33 | 35 | 36 | 38 | 39 | Term | 26 | 28 | 32 | 33 | 35 | 36 |
| Min dB Loss | 600-1000MHz | Term | 25 | 25 | 25 | 26 | 28 | 30 | 32 | 35 | Term | 25 | 25 | 25 | 26 | 28 | 30 |
| Isolation | 5-30MHz | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| (Tap - Tap) | 300-600MHz | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Min dB Loss | 600-1000MHz | 22 | 20 | 22 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 20 | 22 | 20 | 22 | 22 | 22 |
| Return Loss | 5-30MHz | 16 | 18 | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 16 | 18 | 16 | 18 | 18 | 18 | 18 |
| (In & Out) | 30-450MHz | 20 | 20 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 20 | 20 | 20 | 20 |
| Min Loss dB | 450-600MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| | 600-1GHz | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Return Loss | 5-30MHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| (Tap) | 30-600MHz | 20 | 20 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 20 | 20 | 20 | 20 |
| Min Loss dB | 600-1GHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |

Dimensions Inch 2014GBTRK 2-3/16" D X 2-7/8" X 1-7/8" with 1/4" Legs

Dimensions MM (55.6mm X D X 7.30cm X 47.6mm H with legs 6.4mm)

Dimensions Inch 2014CT 2-3/16" D X 2-7/8" X 1-7/8" with NO Legs

Dimensions MM (55.6mm X D X 70.74mm X 47.6mm H)

Dimensions Inch 2018GBTRK 2-1/16" D X 4-9/16" X 1-7/8" with 1/4" Legs

Dimensions MM (52.4mm X D X .115.9cm X 47.6mm H with legs 6.4mm)

Dimensions Inch 2018GBTRK 2-1/16" D X 4-9/16" X 1-7/8" with NO Legs

Dimensions MM (52.4mm X D X .115.9cm X 47.6mm H)