



2012, 2014* & 2018*

Deluxe 2, 4 & 8 Port Directional Couplers



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.

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2012SK General Specifications

Tap Value		----->	4dB	6dB	8dB	9dB	11dB	12dB	14dB	16dB	17dB	20dB	23dB	25dB	30dB	
Attenuation (In-Tap)	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	
	"		+/-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 Loss in dB	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	
	"		+/-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 (In - Out)	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	
	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 Loss in dB	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
		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 (Out - Tap)	5-300MHz		N/A	20	27	28	30	32	33	35	35	35	36	38	40	
	300-600MHz		N/A	25	25	26	27	28	29	30	34	35	35	35	35	
	Minimum Loss in dB	600-890MHz		N/A	22	23	24	25	26	26	27	30	31	32	32	35
		890-1GHz		N/A	20	22	23	24	25	25	25	28	29	30	30	35
Isolation (Tap - Tap)	5-300MHz		19	20	20	20	20	20	20	20	20	20	20	20	20	
	300-600MHz		23	24	24	24	24	24	24	24	24	24	24	24	24	
	Minimum Loss in dB	600-890MHz		22	22	22	22	22	21	21	21	21	21	21	21	
		890-1GHz		20	20	20	20	20	20	20	20	20	20	20	20	
Return Loss (In & Out)	5-300MHz		16 In	16	16	16	16	18	18	18	18	18	18	18	18	
	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	
Return Loss (Tap)	5-300MHz		15	15	15	15	15	15	15	15	15	15	15	15	15	
	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	

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 (In-Tap)	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
	"	+/-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 Loss in dB	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
	"	+/-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 (In - Out)	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
	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	Term	4.5	2.5	2.0	1.4	1.2	1.0
Isolation (Out - Tap)	5-300MHz	Term	22	28	35	36	38	38	40	43	Term	22	28	35	36	38	38
	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
Isolation (Tap - Tap)	5-30MHz	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	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
Return Loss (In & Out)	5-30MHz	16	18	16	18	18	18	18	18	18	16	18	16	18	18	18	18
	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
		600-1GHz	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Return Loss (Tap)	5-30MHz	16	16	16	16	16	16	16	16	16	15	16	16	16	16	16	16
	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

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)