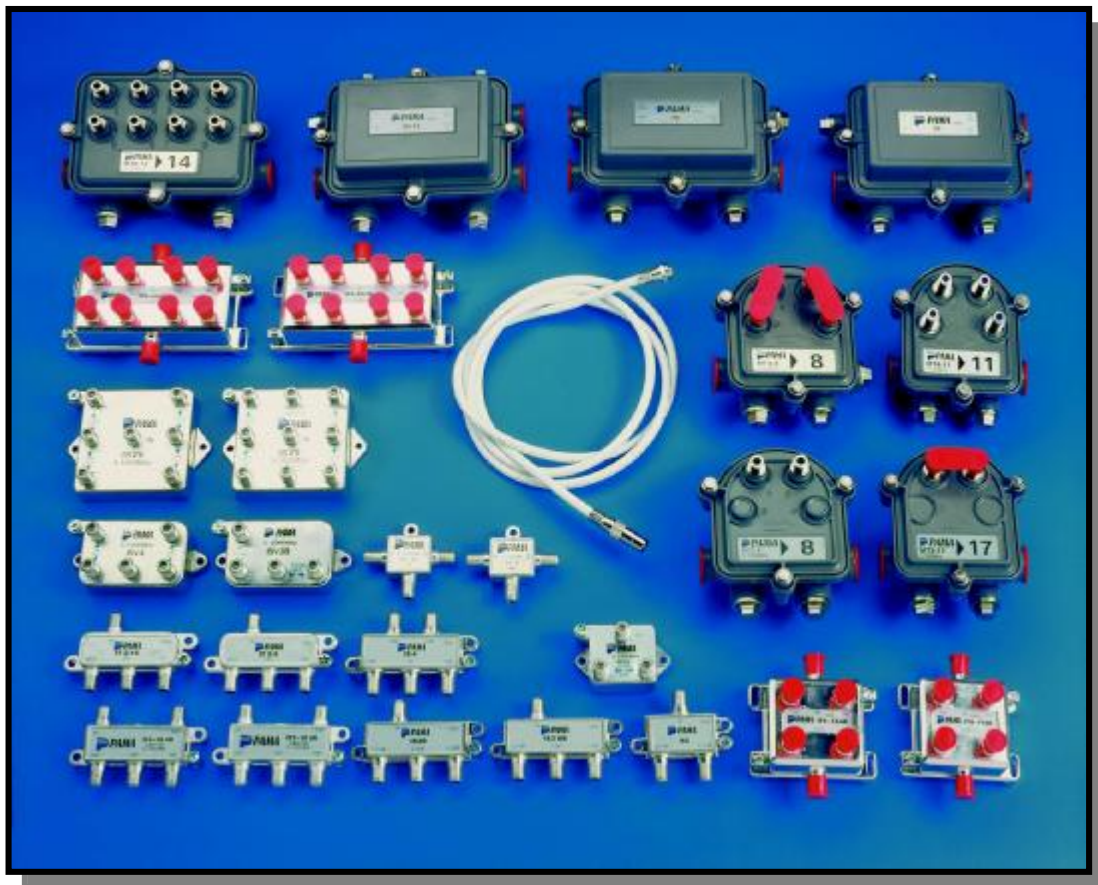




# PAMA PASSIVES 1GHz

## OUTDOOR PASSIVES



# Outdoor Splitter S2, S3, S3UB, Power Inserter PI

## FEATURES

- Frequency range: 5-1000 MHz
- 360 Aluminum Alloy
- Powdered Paint over Chromate Treatment
- Stainless Steel Hardware
- Non-Corrosive Brass ports
- Strip Gauge on Housing
- Rotating Seizing Screw
- Neoprene Weather Seal Gasket
- Monel Wire RFI Gasket
- Outdoor/Indoor Uses

## PARAMETERS

- Waterproof Condition: 1.0kg/cm<sup>2</sup> 60 sec.
- Surge Protection: 1 kV 1.2/50  $\mu$ s
- Each Leg AC Current Capability: 10 A \*
- Total AC Powering Capability:  
15 A (PI), 10 A (S2, S3, S3UB) \*
- Fuse Rate: 15 A max.
- HUM Modulation at 10 A: < -60 dB max.
- Impedance: 75  $\Omega$
- Dimensions: 145.3(L) x 125(W) x 74(H) mm
- Connectors: In – Out 5/8" – 24 NEF Female



### Insertion Loss (dB)

		Frequency (MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
PI	In - Out	0.3	0.3	0.4	0.4	0.5	0.5	0.8
S2	In - Out	3.6	3.4	3.7	3.8	4.0	4.1	4.7
S3UB	In - Out 1	3.6	3.5	3.7	3.7	4.0	4.1	4.6
	In - Out 2	6.8	6.7	6.8	7.0	7.3	7.5	7.8
	In - Out 3	6.6	6.7	7.1	7.6	7.9	7.8	8.1
S3	In - Out	5.9	5.8	6.1	6.3	6.6	6.5	6.7

### Out-Out Isolation (dB)

		Frequency (MHz)						
Model		5-15	15-40	40-250	250-550	550-750	750-860	860-1000
PI		85	85	78	72	72	75	67
S2		30	37	29	28	24	23	28
S3UB		30	42	38	36	31	30	31
S3		30	33	33	31	29	27	27

### Return Loss (dB)

		Frequency ( MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
S2	In - Out 2x	17	22	23	20	28	35	24
S3UB	In - Out 3x	19	22	20	20	23	22	23
S3	In - Out 3x	17	30	28	22	19	21	23

Tolerance: Insertion Loss In – Out =  $\pm 0.5$  dB; Isolation =  $\pm 2$  dB; Return Loss =  $\pm 2$  dB.

\* On request: with 15 A

## Outdoor Tap DC8, DC12, DC16

### FEATURES

- Frequency range: 5-1000 MHz
- 360 Aluminum Alloy
- Powered Paint over Chromate Treatment
- Stainless Steel Hardware
- Non-Corrosive Brass ports
- Strip Gauge on Housing
- Rotating Seizing Screw
- Neoprene Weather Seal Gasket
- Monel Wire RFI Gasket
- Outdoor/Indoor Uses

### PARAMETERS

- Waterproof Condition: 1.0kg/cm<sup>2</sup> 60 sec.
- Surge Protection: 1 kV 1.2/50 μs
- Each Leg AC Current Capability: 10 A \*
- Total AC Powering Capability: 10 A \*
- Fuse Rate: 15 A max.
- HUM Modulation at 10 A: < -60 dB max.
- Impedance: 75 Ω
- Dimensions: 145.3(L) x 125(W) x 74(H) mm
- Connectors: In – Out 5/8" – 24 NEF Female



Insertion Loss (dB)								
		Frequency (MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
<b>DC8</b>	<i>In – Out</i>	1.3	1.3	1.5	1.6	1.9	2.0	2.3
	<i>In – Tap</i>	9.1	9.4	9.5	9.4	9.3	9.3	9.2
<b>DC12</b>	<i>In – Out</i>	0.7	0.7	0.9	1.0	1.3	1.3	1.5
	<i>In – Tap</i>	11.6	11.8	11.9	11.8	11.7	11.7	11.6
<b>DC16</b>	<i>In – Out</i>	0.8	0.8	1.0	1.0	1.2	1.5	1.6
	<i>In – Tap</i>	15.8	16.1	16.2	16.1	16.3	16.7	16.9
Out-Tap Isolation (dB)								
		Frequency (MHz)						
Model		5-15	15-40	40-250	250-550	550-750	750-860	860-1000
<b>DC8</b>		35	48	47	36	31	26	22
<b>DC12</b>		37	35	30	28	26	24	21
<b>DC16</b>		41	48	38	32	27	25	23
Return Loss (dB)								
		Frequency (MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
<b>DC8</b>	<i>In – Out</i>	19	24	24	20	22	22	18
	<i>In – Tap</i>	19	19	20	20	22	19	19
<b>DC12</b>	<i>In – Out</i>	21	21	23	20	19	21	25
	<i>In – Tap</i>	17	20	22	21	21	25	26
<b>DC16</b>	<i>In – Out</i>	20	19	22	19	25	24	23
	<i>In – Tap</i>	21	23	22	21	26	20	21

Tolerance: Insertion Loss *In – Out* = ± 0.5 dB; *In – Tap* = 1.2 dB; Isolation = ± 2 dB; Return Loss = ± 2 dB.

\* On request: with 15 A

## Outdoor 2 Way Tap MT2

### FEATURES

- Frequency range: 5-1000 MHz
- 360 Aluminum Alloy
- Powdered Paint over Chromate Treatment
- Stainless Steel Hardware
- Input port, output port: Non-Corrosive Brass 5/8" type, tap ports: Non-Corrosive Brass „F“
- Strip Gauge on Housing
- Rotating Seizing Screw
- Neoprene Weather Seal Gasket
- Monel Wire RFI Gasket
- 1000 Volt Plastic Film Capacitors
- Outdoor/Indoor Uses



### PARAMETERS

- |                           |                                    |
|---------------------------|------------------------------------|
| • Power Passing           | 6 A AC/DC (In – Out) *             |
| • HUM Modulation          | - 70 dB max. (@ 6 A Power Passing) |
| • Waterproof Condition    | 1.0 kg/cm <sup>2</sup>             |
| • Impedance               | 75 Ω                               |
| • Connectors In – Out Tap | 5/8" – 24 NEF Female<br>„F“ Female |
| • Dimensions              | 94.1 (L) x 100.3 (W) x 75.8 (H) mm |
| • Packed Weight           | 300 g                              |

Insertion Loss (dB)								
		Frequency (MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT2 – 4 dB	In - Out	-	-	-	-	-	-	-
	In - Tap	3.7	3.7	3.8	3.9	4.2	4.2	4.3
MT2 – 8 dB	In - Out	3.3	3.3	3.4	4.0	4.4	4.5	4.5
	In - Tap	8.0	7.7	7.8	7.8	7.5	7.5	7.7
MT2 – 11 dB	In - Out	1.3	1.3	1.3	1.5	1.8	1.9	2.1
	In - Tap	11.4	11.5	11.5	11.5	11.3	11.2	11.2
MT2 – 14 dB	In - Out	0.7	0.7	0.8	1.0	1.2	1.3	1.5
	In - Tap	14.1	14.3	14.4	14.3	14.0	13.9	13.8
MT2 – 17 dB	In - Out	0.7	0.7	0.7	0.9	1.1	1.2	1.3
	In - Tap	16.8	17.0	17.1	17.1	17.1	17.2	17.2
MT2 – 20 dB	In - Out	0.4	0.4	0.4	0.6	0.8	0.8	1.0
	In - Tap	19.9	20.1	20.2	20.2	20.3	20.3	20.4
MT2 – 23 dB	In - Out	0.4	0.4	0.4	0.6	0.8	0.8	1.0
	In - Tap	22.8	23.0	23.0	22.9	22.9	23.2	23.4
MT2 – 26 dB	In - Out	0.4	0.4	0.4	0.6	0.8	0.8	1.0
	In - Tap	25.9	26.1	26.1	25.8	25.7	25.8	25.9
MT2 – 29 dB	In - Out	0.4	0.4	0.4	0.6	0.8	0.8	1.0
	In - Tap	28.8	28.9	28.9	28.6	28.6	28.9	29.3
Isolation (dB)								
		Frequency (MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT2 – 4 dB	Out - Tap	-	-	-	-	-	-	-
	Tap - Tap	30	39	40	30	30	36	31
MT2 – 8 dB	Out - Tap	23	37	42	31	28	29	37
	Tap - Tap	24	29	29	28	24	23	23
MT2 – 11 dB	Out - Tap	25	36	36	35	39	36	30
	Tap - Tap	28	35	37	28	28	31	28
MT2 – 14 dB	Out - Tap	28	32	33	34	31	29	26
	Tap - Tap	24	27	27	28	26	25	25
MT2 – 17 dB	Out - Tap	33	36	36	34	34	35	40
	Tap - Tap	31	36	36	28	26	27	32
MT2 – 20 dB	Out - Tap	41	47	45	40	40	41	37
	Tap - Tap	38	37	40	27	25	26	26
MT2 – 23 dB	Out - Tap	44	50	45	40	40	43	41
	Tap - Tap	38	49	45	27	24	24	25
MT2 – 26 dB	Out - Tap	47	52	46	41	41	44	41
	Tap - Tap	40	47	43	35	36	38	33
MT2 – 29 dB	Out - Tap	52	53	49	47	49	53	50
	Tap - Tap	35	38	36	28	27	28	33
Return Loss (dB)								
		Frequency (MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT2 – 4 dB	In - Out	24	28	25	29	20	21	24
	Tap	25	32	26	25	23	23	30
MT2 – 8 dB	In - Out	25	35	29	27	27	24	23
	Tap	25	27	23	22	22	20	20
MT2 – 11 dB	In - Out	19	25	24	22	25	26	21
	Tap	19	27	24	26	25	24	27
MT2 – 14 dB	In - Out	23	26	27	23	24	26	26
	Tap	25	39	22	21	29	32	29
MT2 – 17 dB	In - Out	22	25	27	23	21	22	22
	Tap	24	33	24	24	25	21	20
MT2 - 20 dB	In - Out	26	28	27	21	21	28	24
	Tap	23	27	22	22	33	26	25
MT2 – 23 dB	In - Out	27	28	28	22	21	31	29
	Tap	23	27	22	22	33	26	25
MT2 - 26 dB	In - Out	27	28	28	23	22	23	22
	Tap	21	24	23	24	30	31	30
MT2 - 29 dB	In - Out	26	28	27	21	20	25	22
	Tap	22	25	22	21	24	33	35

Tolerance: Insertion Loss In - Out = ± 0.5 dB; In - Tap = 1.2 dB; Isolation = ± 2 dB; Return Loss = ± 2 dB.

\* On request: with 12 A

## Outdoor 4 Way Tap MT4 Series

### FEATURES

- Frequency range: 5-1000 MHz
- 360 Aluminum Alloy
- Powdered Paint over Chromate Treatment
- Stainless Steel Hardware
- Input port, output port: Non-Corrosive Brass 5/8" type, tap ports: Non-Corrosive Brass „F“
- Strip Gauge on Housing
- Rotating Seizing Screw
- Neoprene Weather Seal Gasket
- Monel Wire RFI Gasket
- 1000 Volt Plastic Film Capacitors
- Outdoor/Indoor Uses



### PARAMETERS

- |                        |                                    |
|------------------------|------------------------------------|
| • Power Passing        | 6 A AC/DC (In – Out) *             |
| • HUM Modulation       | - 70 dB max. (@ 6 A Power Passing) |
| • Waterproof Condition | 1.0 kg/cm <sup>2</sup>             |
| • Impedance            | 75 Ω                               |
| • Connectors           | 5/8" – 24 NEF Female               |
| In – Out               | „F“ Female                         |
| Tap                    |                                    |
| • Dimensions           | 94.1 (L) x 100.3 (W) x 75.8 (H) mm |
| • Packed Weight        | 300 g                              |

Insertion Loss (dB)								
		Frequency ( MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT4 - 8 dB	In - Out	-	-	-	-	-	-	-
	In - Tap	7.9	7.8	7.8	8.1	8.2	8.0	8.1
MT4 - 11 dB	In - Out	3.2	3.2	3.4	3.7	4.1	4.1	4.1
	In - Tap	10.9	10.6	10.6	11.0	10.9	10.9	11.1
MT4 - 14 dB	In - Out	1.2	1.2	1.3	1.7	2.0	2.2	2.5
	In - Tap	14.3	14.4	14.4	14.5	14.3	14.2	14.1
MT4 - 17 dB	In - Out	0.7	0.7	0.8	1.0	1.2	1.4	1.7
	In - Tap	16.9	17.0	17.0	17.1	17.1	17.1	17.1
MT4 - 20 dB	In - Out	0.7	0.7	0.7	0.9	1.1	1.2	1.4
	In - Tap	19.8	19.9	19.9	20.0	20.1	20.2	20.2
MT4 - 23 dB	In - Out	0.3	0.3	0.4	0.6	0.8	0.8	1.0
	In - Tap	22.8	23.0	23.1	22.9	23.2	23.2	23.2
MT4 - 26 dB	In - Out	0.3	0.3	0.4	0.6	0.7	0.8	1.0
	In - Tap	25.7	25.9	25.9	25.9	26.3	26.2	26.0
MT4 - 29 dB	In - Out	0.4	0.4	0.4	0.6	0.8	0.8	1.0
	In - Tap	28.9	29.1	29.3	29.0	29.4	29.3	29.1
Isolation (dB)								
		Frequency ( MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT4 - 8 dB	Out - Tap	-	-	-	-	-	-	-
	Tap - Tap	30	34	32	31	33	36	34
MT4 - 11 dB	Out - Tap	25	38	46	33	29	30	34
	Tap - Tap	28	33	33	35	35	38	30
MT4 - 14 dB	Out - Tap	28	33	33	31	32	35	31
	Tap - Tap	27	35	35	33	31	32	33
MT4 - 17 dB	Out - Tap	30	39	40	38	38	35	29
	Tap - Tap	27	36	40	37	32	31	31
MT4 - 20 dB	Out - Tap	37	44	41	37	39	39	37
	Tap - Tap	31	38	37	38	35	32	29
MT4 - 23 dB	Out - Tap	38	41	38	39	40	40	39
	Tap - Tap	41	44	36	28	31	28	24
MT4 - 26 dB	Out - Tap	41	44	43	42	42	43	40
	Tap - Tap	41	42	34	28	31	28	27
MT4 - 29 dB	Out - Tap	45	47	43	43	44	44	42
	Tap - Tap	41	41	37	35	36	33	31
Return Loss (dB)								
		Frequency ( MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT4 - 8 dB	In - Out	29	36	33	23	20	25	29
	Tap	23	29	22	22	26	29	29
MT4 - 11 dB	In - Out	20	27	29	29	23	22	23
	Tap	19	28	24	23	30	29	27
MT4 - 14 dB	In - Out	21	24	23	29	23	20	23
	Tap	18	22	24	24	25	31	29
MT4 - 17 dB	In - Out	26	30	29	28	30	25	26
	Tap	17	22	23	26	26	29	25
MT4 - 20 dB	In - Out	22	26	24	24	29	23	21
	Tap	20	25	26	23	26	30	26
MT4 - 23 dB	In - Out	26	28	26	23	24	24	20
	Tap	27	31	20	21	22	25	26
MT4 - 26 dB	In - Out	26	28	25	21	22	32	24
	Tap	26	31	20	21	21	22	25
MT4 - 29 dB	In - Out	27	29	24	22	22	24	25
	Tap	23	27	20	22	20	20	20

Tolerance: Insertion Loss In - Out =  $\pm 0.5$  dB; In - Tap = 1.2 dB; Isolation =  $\pm 2$  dB; Return Loss =  $\pm 2$  dB.

\* On request: with 12 A

## Outdoor 8 Way Tap MT8 Series

### FEATURES

- Frequency range: 5-1000 MHz
- 360 Aluminum Alloy
- Powdered Paint over Chromate Treatment
- Stainless Steel Hardware
- Input port, output port: Non-Corrosive Brass 5/8" type, tap ports: Non-Corrosive Brass „F“
- Strip Gauge on Housing
- Rotating Seizing Screw
- Neoprene Weather Seal Gasket
- Monel Wire RFI Gasket
- 1000 Volt Plastic Film Capacitors
- Outdoor/Indoor Uses



### PARAMETERS

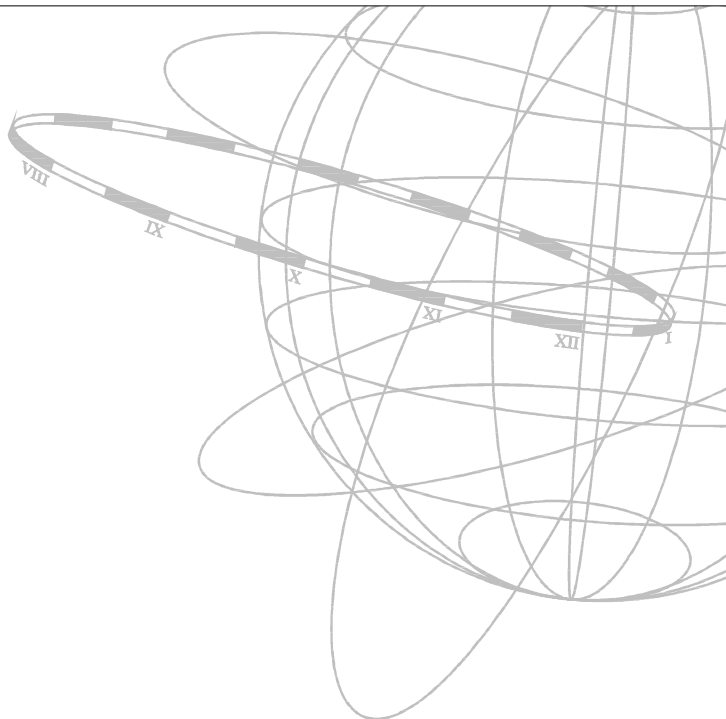
- |                        |                                     |
|------------------------|-------------------------------------|
| • Power Passing        | 7 A AC/DC (In – Out) *              |
| • HUM Modulation       | - 70 dB max. (@ 6 A Power Passing)  |
| • Waterproof Condition | 1.0 kg/cm <sup>2</sup>              |
| • Impedance            | 75 Ω                                |
| • Connectors In – Out  | 5/8" – 24 NEF Female                |
| Tap                    | „F“ Female                          |
| • Dimensions           | 139.1 (L) x 117.5 (W) x 74.5 (H) mm |
| • Packed Weight        | 510 g                               |



Insertion Loss (dB)								
		Frequency ( MHz)						
Model		5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT8 -11 dB	In - Out	-	-	-	-	-	-	-
	In - Tap	10.7	10.5	10.5	11.2	11.6	11.7	12.0
MT8 - 14 dB	In - Out	3.2	3.2	3.4	3.9	4.3	4.4	4.4
	In - Tap	14.1	13.8	13.7	14.2	14.3	14.4	14.9
MT8 - 17 dB	In - Out	1.2	1.2	1.3	1.7	2.2	2.5	2.6
	In - Tap	17.5	17.6	17.7	17.9	18.0	18.1	18.4
MT8 - 20 dB	In - Out	0.9	0.9	0.9	1.3	1.6	1.9	2.1
	In - Tap	19.6	19.6	19.6	20.0	20.1	20.1	20.0
MT8 - 23 dB	In - Out	0.9	0.9	0.7	1.1	1.2	1.5	1.6
	In - Tap	23.2	23.1	23.3	23.5	23.5	23.7	23.7
MT8 - 26 dB	In - Out	0.4	0.4	0.5	0.8	0.9	1.3	1.4
	In - Tap	26.1	26.2	26.3	26.4	26.2	26.3	26.4
MT8 - 29 dB	In - Out	0.4	0.4	0.5	0.8	0.9	1.2	1.3
	In - Tap	28.8	29.0	29.0	29.2	29.2	29.2	29.3
Isolation (dB)								
		Frequency ( MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT8 - 11 dB	Out - Tap	-	-	-	-	-	-	-
	Tap - Tap	40	41	34	30	28	28	29
MT8 - 14 dB	Out - Tap	30	43	43	35	30	30	34
	Tap - Tap	31	37	38	33	30	29	27
MT8 - 17 dB	Out - Tap	31	34	33	33	32	39	42
	Tap - Tap	34	37	33	33	29	26	26
MT8 - 20 dB	Out - Tap	30	32	32	33	32	30	28
	Tap - Tap	31	33	29	33	29	28	27
MT8 - 23 dB	Out - Tap	41	46	44	44	45	42	37
	Tap - Tap	33	35	28	31	28	25	24
MT8 - 26 dB	Out - Tap	47	52	46	41	40	39	36
	Tap - Tap	36	39	32	30	32	28	26
MT8 - 29 dB	Out - Tap	50	56	51	47	47	46	41
	Tap - Tap	38	40	34	32	32	28	26
Return Loss (dB)								
		Frequency ( MHz)						
Model	Port	5-15	15-40	40-250	250-550	550-750	750-860	860-1000
MT8 - 11 dB	In - Out	20	20	21	22	21	20	26
	Tap	23	28	28	27	27	29	29
MT8 -14 dB	In - Out	21	27	29	24	19	18	23
	Tap	23	31	29	28	30	29	27
MT8 - 17 dB	In - Out	21	22	22	22	21	19	22
	Tap	22	29	27	28	29	27	29
MT8 - 20 dB	In - Out	23	27	26	21	26	24	22
	Tap	21	26	26	27	30	27	28
MT8 - 23 dB	In - Out	22	24	26	22	26	24	23
	Tap	23	27	27	27	26	24	27
MT8 - 26 dB	In - Out	27	29	28	20	22	26	27
	Tap	21	25	27	27	28	26	29
MT8 - 29 dB	In - Out	28	30	27	21	25	22	25
	Tap	26	31	28	30	32	30	29

Tolerance: Insertion Loss In - Out =  $\pm 0.5$  dB; In - Tap = 1.2 dB; Isolation =  $\pm 2$  dB; Return Loss =  $\pm 2$  dB.

\* On request: with 12 A



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