

## PCT-TP-412-xx

Tap, Outdoor, Traditional Series, 1 GHz, 4-Way

### Electrical Specifications

Parameter	PCT-TP-412-xx									
	8	11	14	17	20	23	26	29	32	35
<b>Guaranteed Values</b>										
<b>Insertion Loss (Max)</b> (dB)										
5 to 15 MHz	N/A	3.5	1.8	1.2	1.1	0.8	0.8	0.8	0.8	0.8
16 to 42 MHz	N/A	3.5	1.8	1.2	1.1	0.8	0.8	0.8	0.8	0.8
43 to 65 MHz	N/A	3.9	1.8	1.3	1.2	0.9	0.9	0.9	0.9	0.9
66 to 250 MHz	N/A	4.5	2.1	1.4	1.3	1.2	1.1	1.1	1.1	1.1
251 to 450 MHz	N/A	4.5	2.4	1.7	1.6	1.4	1.3	1.3	1.3	1.3
451 to 550 MHz	N/A	4.7	2.8	2.0	1.8	1.6	1.4	1.4	1.4	1.4
551 to 750 MHz	N/A	4.9	3.0	2.3	2.0	1.8	1.6	1.6	1.6	1.6
751 to 860 MHz	N/A	5.2	3.9	2.8	2.6	2.0	2.0	2.0	2.0	2.0
861 to 1002 MHz	N/A	3.5	1.8	1.2	1.1	0.8	0.8	0.8	0.8	0.8
<b>Tap Loss (Max)</b> (dB)										
5 to 15 MHz	8.0 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.5	32 ± 1.5	35 ± 1.5
16 to 42 MHz	8.0 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.5	32 ± 1.5	35 ± 1.5
43 to 65 MHz	8.0 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.5	32 ± 1.5	35 ± 1.5
66 to 250 MHz	8.0 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.5	32 ± 1.5	35 ± 1.5
251 to 450 MHz	8.0 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.5	32 ± 1.5	35 ± 1.5
451 to 550 MHz	8.0 ± 1.2	11 ± 1.2	14 ± 1.2	17 ± 1.2	20 ± 1.2	23 ± 1.2	26 ± 1.2	29 ± 1.5	32 ± 1.5	35 ± 1.5
551 to 750 MHz	8.0 ± 1.5	11 ± 1.5	14 ± 1.5	17 ± 1.5	20 ± 1.5	23 ± 1.5	26 ± 1.5	29 ± 1.5	32 ± 1.5	35 ± 1.5
751 to 860 MHz	8.0 ± 1.5	11 ± 1.8	14 ± 1.5	17 ± 1.5	20 ± 1.5	23 ± 1.5	26 ± 1.5	29 ± 1.5	32 ± 1.5	35 ± 1.5
861 to 1002 MHz	8.0 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.5	32 ± 1.5	35 ± 1.5
<b>Isolation Out-Tap (Min)</b> (dB)										
5 to 15 MHz	N/A	20	21	22	27	30	34	36	36	36
16 to 40 MHz	N/A	25	27	30	33	33	36	40	40	40
41 to 250 MHz	N/A	25	27	30	33	33	36	40	40	40
251 to 450 MHz	N/A	25	27	30	33	33	36	40	40	40
451 to 550 MHz	N/A	25	27	30	33	33	36	40	40	40
551 to 750 MHz	N/A	23	25	28	30	31	34	36	38	38
751 to 860 MHz	N/A	22	23	24	26	28	32	34	34	34
860 to 1002 MHz	N/A	22	23	24	26	28	32	34	34	34
<b>Isolation Tap-Tap (Min)</b> (dB)										
5 to 15 MHz	20	20	20	20	20	20	20	20	20	20
16 to 40 MHz	25	23	25	25	25	25	25	25	25	25
41 to 250 MHz	25	23	25	25	25	25	25	25	25	25
251 to 450 MHz	25	23	25	25	25	25	25	25	25	25
451 to 550 MHz	25	23	25	25	25	25	25	25	25	25
551 to 750 MHz	20	20	20	20	20	20	20	20	20	20
751 to 1002 MHz	20	20	20	20	20	20	20	20	20	20
<b>Return Loss In-Out (Min)</b> (dB)										
5 to 15 MHz	16	16	16	16	16	16	16	16	16	16
16 to 550 MHz	18	18	18	18	18	18	18	18	18	18
551 to 1002 MHz	16	16	16	16	16	16	16	16	16	16
<b>Return Loss Tap (Min)</b> (dB)										
5 to 15 MHz	16	16	16	16	16	16	16	16	16	16
16 to 750 MHz	18	18	18	18	18	18	18	18	18	18
751 to 1002 MHz	16	16	16	16	16	16	16	16	16	16
<b>Hum Modulation @ 12 A</b> (dB)										
5 to 10 MHz	N/A	65	65	65	65	65	65	65	65	65
10 to 50 MHz	N/A	70	70	70	70	70	70	70	70	70
50 to 750 MHz	N/A	65	65	65	65	65	65	65	65	65
750 to 1002 MHz	N/A	60	60	60	60	60	60	60	60	60

### General Specifications

Parameter	Specifications
Power Passing	In-Out: 12A 90V AC
Nominal Impedance	75 Ohms
Waterproof Condition	15 psi
Surge Withstand	In-Out: Conforms to ANSI/SCTE 81 2012, IEEE C62.41 Cat. B3 Waveform Tap Ports: Conforms to ANSI/SCTE 81 2012, IEEE C62.41 Cat. A3 Waveform

### Ordering Information

Part Number	Description
PCT-TP-412-xx	Tap, Outdoor, Traditional Series, 1 GHz, 4-Way

(x = db: 8, 11, 14, 17, 20, 23, 26, 29, 32, 35)