

PCT-TP-812-xx

Tap, Outdoor, Traditional Series, 1 GHz, 8-Way

Electrical Specifications

Parameter	PCT-TP-812-xx								
	11	14	17	20	23	26	29	32	35
Guaranteed Values									
Insertion Loss (Max) (dB)									
5 to 15 MHz	N/A	3.5	1.9	1.4	1.2	0.8	0.8	0.8	0.8
16 to 42 MHz	N/A	3.5	1.9	1.4	1.2	0.8	0.8	0.8	0.8
43 to 65 MHz	N/A	4.0	2.0	1.4	1.2	1.0	1.0	1.0	1.0
66 to 250 MHz	N/A	4.5	2.0	1.8	1.3	1.2	1.2	1.2	1.2
251 to 450 MHz	N/A	4.5	2.3	1.8	1.5	1.3	1.3	1.2	1.2
451 to 550 MHz	N/A	4.7	2.8	2.4	1.7	1.5	1.5	1.4	1.4
551 to 750 MHz	N/A	4.9	3.5	2.4	2.2	1.8	1.8	1.8	1.8
751 to 860 MHz	N/A	5.2	3.7	3.0	2.5	2.0	2.0	2.0	2.0
861 to 1002 MHz	N/A	3.5	1.9	1.4	1.2	0.8	0.8	0.8	0.8
Tap Loss (Max) (dB)									
5 to 15 MHz	11 ± 1.0	14 ± 1.0	17.5 ± 1.0	19.5 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0	35 ± 1.0
16 to 42 MHz	11 ± 1.0	14 ± 1.0	17.5 ± 1.0	19.5 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0	35 ± 1.0
43 to 65 MHz	11 ± 1.0	14 ± 1.0	17.5 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0	35 ± 1.0
66 to 250 MHz	11 ± 1.0	14 ± 1.0	17.5 ± 1.2	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0	35 ± 1.0
251 to 450 MHz	11 ± 1.5	14 ± 1.0	17.5 ± 1.2	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.5	35 ± 1.5
451 to 550 MHz	11.5 ± 1.5	14.5 ± 1.0	17.5 ± 1.5	20.5 ± 1.5	23 ± 1.5	26 ± 1.5	29 ± 1.5	32 ± 1.5	35 ± 1.5
551 to 750 MHz	12 ± 1.5	15 ± 1.5	18 ± 1.5	20.5 ± 1.5	23 ± 1.8	26 ± 1.8	29 ± 1.8	32 ± 1.8	35 ± 1.8
751 to 860 MHz	12 ± 1.5	15 ± 1.8	18 ± 1.5	20.5 ± 1.5	23 ± 1.8	26 ± 1.8	29 ± 1.8	32 ± 1.8	35 ± 1.8
861 to 1002 MHz	11 ± 1.0	14 ± 1.0	17.5 ± 1.0	19.5 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0	35 ± 1.0
Isolation Out-Tap (Min) (dB)									
5 to 15 MHz	N/A	22	24	26	33	35	22	25	25
16 to 40 MHz	N/A	25	25	26	33	33	25	25	25
41 to 250 MHz	N/A	28	28	30	33	33	25	25	25
251 to 450 MHz	N/A	25	25	30	33	33	25	25	25
451 to 550 MHz	N/A	25	25	30	33	33	25	25	25
551 to 750 MHz	N/A	23	25	26	33	32	22	22	22
751 to 860 MHz	N/A	23	25	26	30	31	20	20	20
860 to 1002 MHz	N/A	23	25	26	30	31	20	20	20
Isolation Tap-Tap (Min) (dB)									
5 to 15 MHz	22	22	22	22	22	22	22	25	25
16 to 40 MHz	25	25	25	25	25	25	25	25	25
41 to 250 MHz	25	25	25	25	25	25	25	25	25
251 to 450 MHz	25	25	25	25	25	25	25	25	25
451 to 550 MHz	25	25	25	25	25	25	25	25	25
551 to 750 MHz	22	22	22	22	22	22	22	22	22
751 to 1002 MHz	20	20	20	20	20	20	20	20	20
Return Loss In-Out (Min) (dB)									
5 to 15 MHz	16	16	16	16	16	16	16	16	16
16 to 550 MHz	18	18	18	18	18	18	18	18	18
551 to 1002 MHz	16	16	16	16	16	16	16	16	16
Return Loss Tap (Min) (dB)									
5 to 15 MHz	16	16	16	16	16	16	16	16	16
16 to 750 MHz	18	18	18	18	18	18	18	18	18
751 to 1002 MHz	16	16	16	16	16	16	16	16	16
Hum Modulation @ 12 A (dB)									
5 to 10 MHz	N/A	65	65	65	65	65	65	65	65
10 to 50 MHz	N/A	70	70	70	70	70	70	70	70
50 to 750 MHz	N/A	65	65	65	65	65	65	65	65
750 to 1002 MHz	N/A	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-812-xx	Tap, Outdoor, Traditional Series, 1 GHz, 8-Way (x = db: 11, 14, 17, 20, 23, 26, 29, 32, 35)