

Gold Series Splitter Specifications

SPLITTERS

	PCT-1000-2W	PCT-1000-3W	PCT-1000-3WB	PCT-1000-4W	PCT-1000-6W	PCT-1000-8W	Units
Insertion Loss							
5-47 MHz	3,5	3.5/6.9	5,8	6,9	9,2	10,2	dB
47-450 MHz	3,7	3.7/7.0	5,8	7,0	9,2	10,8	dB
450-750 MHz	3,9	3.9/7.5	6,5	7,5	9,9	11,5	dB
750-1000 MHz	4,0	4.0/8.0	7,0	8,0	11,0	12,5	dB
Out-to-Out Isolation							
5-47 MHz	20	25	25	25	25	25	dB
47-450 MHz	28	24	25	24	24	24	dB
450-750 MHz	24	23	24	23	22	22	dB
750-1000 MHz	24	21	22	21	21	21	dB
Return Loss Input							
5-47 MHz	20	18	18	18	18	18	dB
47-450 MHz	22	21	21	20	22	22	dB
450-750 MHz	22	21	21	20	20	20	dB
750-1000 MHz	20	18	18	18	18	18	dB
Return Loss Output	20,0						
5-47 MHz	22	18	18	18	18	18	dB
47-450 MHz	22	21	21	20	22	22	dB
450-750 MHz	20	21	21	20	20	20	dB
750-1000 MHz	30	18	18	18	18	18	dB

General Specifications:

Nominal Impedance: 75 Ohms

Insertion Loss Flatness: +/- 0.5 dB

RFI: -120 dB

Spurious Signals Including 2nd Harmonics: -45 dBmV, measured with a +55 dBmV return input carrier

Blocking Capacitors, All Ports, capable of withstanding 1kV, 100 kHz ring wave surge

Operating Temperature Range: -40° F to +140° F

Specifications subject to change without notice.

Gold Series Tap Specifications

INDOOR TAPS

	PCT-IT1W-6	PCT-IT1W-8	PCT-IT1W-12	PCT-IT1W-16	PCT-IT1W-20	PCT-IT1W-24	Units
Insertion Loss							
5-47 MHz	2,6	2,0	1,1	1,0	1,0	1,0	dB
47-450 MHz	2,8	1,8	1,0	0,8	0,8	0,8	dB
450-750 MHz	3,0	2,2	1,4	1,1	1,1	1,1	dB
750-1000 MHz	3,2	2,5	1,6	1,3	1,3	1,3	dB
Out-to-Tap Isolation							
5-47 MHz	23	23	27	31	35	39	dB
47-450 MHz	23	23	27	31	35	36	dB
450-750 MHz	22	20	22	26	30	33	dB
750-1000 MHz	20	20	20	21	25	29	dB
Return Loss Input							
5-47 MHz	16	16	18	18	20	18	dB
47-450 MHz	18	18	20	20	20	20	dB
450-750 MHz	18	18	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	dB
Return Loss Output							
5-47 MHz	16	16	18	18	20	18	dB
47-450 MHz	18	18	20	20	20	20	dB
450-750 MHz	18	18	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	dB
Return Loss Tap							
5-47 MHz	16	16	18	18	20	20	dB
47-450 MHz	18	18	20	20	20	20	dB
450-750 MHz	18	18	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	dB

General Specifications:

Nominal Impedance: 75 Ohms

Insertion Loss Flatness: +/- 0.5 dB

Directional Coupler Tap Loss: +/- 1.5 dB

RFI: -120 dB

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Gold Series Tap Specifications

INDOOR TAPS

	PCT-IT2W-8	PCT-IT2W-10	PCT-IT2W-12	PCT-IT2W-16	PCT-IT2W-20	PCT-IT2W-24	Units
Insertion Loss							
5-47 MHz	3,5	2,5	2,0	1,1	1,0	1,0	dB
47-450 MHz	3,7	2,8	1,8	1,0	0,8	0,8	dB
450-750 MHz	3,9	3,1	2,2	1,4	1,1	1,1	dB
750-1000 MHz	4,5	3,3	2,5	1,6	1,3	1,3	dB
Out-to-Tap Isolation							
5-47 MHz	23	24	27	31	35	39	dB
47-450 MHz	25	25	27	31	35	38	dB
450-750 MHz	22	22	23	26	30	34	dB
750-1000 MHz	20	21	22	23	26	30	dB
Tap-to-Tap Isolation							
5-47 MHz	20	20	20	20	20	20	dB
47-450 MHz	26	26	26	26	26	26	dB
450-750 MHz	24	24	24	24	24	24	dB
750-1000 MHz	20	20	20	20	20	20	dB
Return Loss Input							
5-47 MHz	16	18	18	18	20	20	dB
47-450 MHz	18	18	20	20	20	20	dB
450-750 MHz	18	18	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	dB
Return Loss Output							
5-47 MHz	16	18	18	18	20	20	dB
47-450 MHz	18	18	20	20	20	20	dB
450-750 MHz	18	18	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	dB
Return Loss Tap							
5-47 MHz	16	18	18	18	20	20	dB
47-450 MHz	18	18	20	20	20	20	dB
450-750 MHz	18	18	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	dB

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Gold Series Tap Specifications

INDOOR TAPS

	PCT-IT3W-10	PCT-IT3W-12	PCT-IT3W-16	PCT-IT3W-20	PCT-IT3W-24	PCT-IT3W-27	Units
Insertion Loss							
5-47 MHz	3,5	3,0	1,5	1,0	1,0	1,0	dB
47-450 MHz	3,7	3,2	1,7	1,0	1,0	1,0	dB
450-750 MHz	4,0	3,5	2,2	1,0	1,0	1,0	dB
750-1000 MHz	4,5	4,0	2,5	1,3	1,3	1,3	dB
Out-to-Tap Isolation							
5-47 MHz	26	28	32	36	40	42	dB
47-450 MHz	24	26	30	34	40	42	dB
450-750 MHz	22	24	28	32	36	38	dB
750-1000 MHz	20	22	25	28	32	34	dB
Tap-to-Tap Isolation							
5-47 MHz	25	25	25	25	25	25	dB
47-450 MHz	25	25	25	25	25	25	dB
450-750 MHz	25	25	25	25	25	25	dB
750-1000 MHz	20	20	20	20	20	20	dB
Return Loss Input							
5-47 MHz	18	18	18	18	18	18	dB
47-450 MHz	18	18	18	18	18	18	dB
450-750 MHz	17	17	17	17	17	17	dB
750-1000 MHz	17	17	17	17	17	17	dB
Return Loss Output							
5-47 MHz	18	18	18	18	18	18	dB
47-450 MHz	18	18	18	18	18	18	dB
450-750 MHz	17	17	17	17	17	17	dB
750-1000 MHz	17	17	17	17	17	17	dB
Return Loss Tap							
5-47 MHz	18	18	18	18	18	18	dB
47-450 MHz	18	18	18	18	18	18	dB
450-750 MHz	17	17	17	17	17	17	dB
750-1000 MHz	17	17	17	17	17	17	dB

General Specifications:

Nominal Impedance: 75 Ohms

Insertion Loss Flatness: +/- 0.5 dB

Directional Coupler Tap Loss: +/- 1.5 dB

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Gold Series Tap Specifications

INDOOR TAPS

	PCT-IT4W-10	PCT-IT4W-12	PCT-IT4W-16	PCT-IT4W-20	PCT-IT4W-24	PCT-IT4W-27	Units
Insertion Loss							
5-47 MHz	3,5	3,0	1,5	0,8	1,0	1,0	dB
47-450 MHz	3,5	3,2	1,5	0,8	1,0	1,0	dB
450-750 MHz	4,0	3,5	2,2	1,2	1,0	1,0	dB
750-1000 MHz	4,5	4,0	2,6	1,6	1,3	1,3	dB
Out-to-Tap Isolation							
5-47 MHz	25	26	30	34	42	48	dB
47-450 MHz	26	28	32	36	40	42	dB
450-750 MHz	20	22	26	30	34	38	dB
750-1000 MHz	20	22	24	28	32	36	dB
Tap-to-Tap Isolation							
5-47 MHz	25	25	25	25	25	25	dB
47-450 MHz	25	25	25	25	25	25	dB
450-750 MHz	22	22	22	22	22	22	dB
750-1000 MHz	20	20	20	20	20	20	dB
Return Loss Input							
5-47 MHz	18	18	18	18	18	18	dB
47-450 MHz	18	18	18	18	18	18	dB
450-750 MHz	16	16	16	16	16	16	dB
750-1000 MHz	16	16	16	16	16	16	dB
Return Loss Output							
5-47 MHz	18	18	18	18	18	18	dB
47-450 MHz	18	18	18	18	18	18	dB
450-750 MHz	16	16	16	16	16	16	dB
750-1000 MHz	16	16	16	16	16	16	dB
Return Loss Tap							
5-47 MHz	18	18	18	18	18	18	dB
47-450 MHz	18	18	18	18	18	18	dB
450-750 MHz	16	16	16	16	16	16	dB
750-1000 MHz	16	16	16	16	16	16	dB

General Specifications:

Nominal Impedance: 75 Ohms

Insertion Loss Flatness: +/- 0.5 dB

Directional Coupler Tap Loss: +/- 1.5 dB

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INDOOR TAPS

	PCT-IT8W-11	PCT-IT8W-14	PCT-IT8W-17	PCT-IT8W-20	PCT-IT8W-23	PCT-IT8W-26	PCT-IT8W-29	Units
Insertion Loss								
5-47 MHz		3,5	2,8	1,7	1,7	1,7	1,7	dB
47-450 MHz		3,5	2,5	1,5	1,4	1,4	1,4	dB
450-750 MHz		4,0	3,0	2,0	1,8	1,8	1,8	dB
750-1000 MHz		4,5	3,2	2,5	2,0	2,0	2,0	dB
Out-to-Tap Isolation								
5-47 MHz		25	29	32	35	38	41	dB
47-450 MHz		24	27	30	33	36	38	dB
450-750 MHz		21	24	27	30	33	36	dB
750-1000 MHz		20	22	25	28	31	34	dB
Tap-to-Tap Isolation								
5-47 MHz	28	28	28	28	28	28	28	dB
47-450 MHz	23	23	23	23	23	23	23	dB
450-750 MHz	22	22	22	22	22	22	22	dB
750-1000 MHz	20	20	20	20	20	20	20	dB
Return Loss Input								
5-47 MHz	15	15	15	15	15	15	15	dB
47-450 MHz	16	18	18	18	18	18	18	dB
450-750 MHz	18	16	20	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	18	dB
Return Loss Output								
5-47 MHz	15	15	15	15	15	15	15	dB
47-450 MHz	16	18	18	18	18	18	18	dB
450-750 MHz	18	16	20	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	18	dB
Return Loss Tap								
5-47 MHz	15	15	15	15	15	15	15	dB
47-450 MHz	16	16	18	18	18	18	18	dB
450-750 MHz	18	18	20	20	20	20	20	dB
750-1000 MHz	16	16	18	18	18	18	18	dB

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