



GOLD SERIES DROP PASSIVES

FEATURES

True Performance:

- Guaranteed minimum specifications
- 1 GHz Bandwidth
- Flat frequency response
- High return loss
- -120 dB shielding effectiveness (RFI)
- Printed circuit board construction
- CE Certified

Convenience & Installation Ease:

- Individually plastic packaged with screws
- Machine threaded ports
- Half moon boss at port base
- Solder back or tongue/groove housings
- Horizontal or vertical ports

Protection & Prevention:

- Zinc alloy die-cast housing, tin plated

T O O R D E R

PART NO.	DESCRIPTION	PAGE NO.
PCT-1000-2W	1 GHz, Gold Series 2-Way Horizontal Solder Back Drop Splitter	B12
PCT-1000-3W	1 GHz, Gold Series 3-Way Horizontal Solder Back Drop Splitter	B12
PCT-1000-3WB	1 GHz, Gold Series 3-Way Balanced Hor. Solder Back Drop Splitter	B12
PCT-1000-4W	1 GHz, Gold Series 4-Way Horizontal Solder Back Drop Splitter	B12
PCT-1000-6W	1 GHz, Gold Series 6-Way Horizontal Solder Back Drop Splitter	B12
PCT-1000-8W	1 GHz, Gold Series 8-Way Horizontal Solder Back Drop Splitter	B12
PCT-1000-2TG	1 GHz, Gold Series 2-Way Horizontal Tongue/Groove Drop Splitter	B12
PCT-1000-3TG	1 GHz, Gold Series 3-Way Horizontal Tongue/Groove Drop Splitter	B12
PCT-1000-3TGB	1 GHz, Gold Series 3-Way Balanced Hor. Tongue/Groove Drop Splitter	B12
PCT-1000-4TG	1 GHz, Gold Series 4-Way Horizontal Tongue/Groove Drop Splitter	B12
PCT-1000-2V	1 GHz, Gold Series 2-Way Vertical Solder Back Drop Splitter	B12
PCT-1000-3V	1 GHz, Gold Series 3-Way Vertical Solder Back Drop Splitter	B12
PCT-1000-3VB	1 GHz, Gold Series 3-Way Balanced Ver. Solder Back Drop Splitter	B12
PCT-1000-4V	1 GHz, Gold Series 4-Way Vertical Solder Back Drop Splitter	B12
PCT-1000-6V	1 GHz, Gold Series 6-Way Vertical Solder Back Drop Splitter	B12
PCT-1000-8V	1 GHz, Gold Series 8-Way Vertical Solder Back Drop Splitter	B12
PCT-1000-12V	1 GHz, Gold Series 12-Way Vertical Solder Back Drop Splitter	B12
PCT-1000-16V	1 GHz, Gold Series 16-Way Vertical Solder Back Drop Splitter	B12
PCT-1000-2VT	1 GHz, Gold Series 2-Way Vertical Tongue/Groove Drop Splitter	B12
PCT-1000-3VT	1 GHz, Gold Series 3-Way Vertical Tongue/Groove Drop Splitter	B12
PCT-1000-3VTB	1 GHz, Gold Series 3-Way Balanced Ver. Tongue/Groove Drop Splitter	B12
PCT-1000-4VT	1 GHz, Gold Series 4-Way Vertical Tongue/Groove Drop Splitter	B12
PCT-1000-6VT	1 GHz, Gold Series 6-Way Vertical Tongue/Groove Drop Splitter	B12
PCT-1000-8VT	1 GHz, Gold Series 8-Way Vertical Tongue/Groove Drop Splitter	B12
PCT-MIS-2W	1 GHz, Gold Series 2-Way Mini Drop Splitter	B12

G E N E R A L S P E C S

Nominal Impedance: 75 Ohms

Insertion Loss Flatness: ± 0.5 dB



GOLD SERIES DROP TAP



TO ORDER

PART NO.	DESCRIPTION	PAGE NO.
PCT-IT1W-**	1 GHz, Gold Series 1-Way Drop Tap @ ** dB	B14
PCT-IT2W-**	1 GHz, Gold Series 2-Way Drop Tap @ ** dB	B15
PCT-IT3W-**	1 GHz, Gold Series 3-Way Drop Tap @ ** dB	B16
PCT-IT4W-**	1 GHz, Gold Series 4-Way Drop Tap @ ** dB	B17
PCT-IT8W-**	1 GHz, Gold Series 8-Way Drop Tap @ ** dB	B18
PCT-MIT1W-**	1 GHz, Gold Series 1-Way Mini-Drop Tap @ ** dB	B19
PCT-WP1W-**	1 GHz, Gold Series 1-Way Wall Plate Drop Tap @ ** dB	B20
PCT-WP2W-**	1 GHz, Gold Series 2-Way Wall Plate Drop Tap @ ** dB	B20

** The asterisk sign in the part number represents the tap value in dB. See specifications for listing of dB values.

GENERAL SPECS

Nominal Impedance:	75 Ohms
Shielding Effectiveness (RFI):	120 dB



drop passives


**GOLD SERIES
1-WAY DROP TAP**

PCT-IT1W

Units: dB

INSERTION LOSS ± 1.5 dB	8	12	16	20	24
5-47 MHz	2.0	1.1	1.0	1.0	1.0
47-450 MHz	1.8	1.0	0.8	0.8	0.8
450-750 MHz	2.2	1.4	1.1	1.1	1.1
750-1000 MHz	2.5	1.6	1.3	1.3	1.3
OUT-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	23	27	31	35	39
47-450 MHz	23	27	31	35	36
450-750 MHz	20	22	26	30	33
750-1000 MHz	20	20	21	25	29
RETURN LOSS - ALL PORTS ± 1.5 dB					
5-47 MHz	16	18	18	20	20
47-450 MHz	18	20	20	20	20
450-750 MHz	18	20	20	20	20
750-1000 MHz	16	18	18	18	18



GUARANTEED MINIMUM SPECIFICATIONS



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GOLD SERIES 2-WAY DROP TAP



PCT-IT2W

Units: dB

INSERTION LOSS ± 1.5 dB	8	12	16	20	24
5-47 MHz	3.5	2.0	1.1	1.0	1.0
47-450 MHz	3.7	1.8	1.0	0.8	0.8
450-750 MHz	3.9	2.2	1.4	1.1	1.1
750-1000 MHz	4.5	2.5	1.6	1.3	1.3
OUT-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	23	27	31	35	39
47-450 MHz	23	27	31	35	36
450-750 MHz	20	22	26	30	33
750-1000 MHz	20	20	21	25	29
TAP-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	20	20	20	20	20
47-450 MHz	26	26	26	26	26
450-750 MHz	24	24	24	24	24
750-1000 MHz	20	20	20	20	20
RETURN LOSS - ALL PORTS ± 1.5 dB					
5-47 MHz	16	18	18	20	20
47-450 MHz	18	20	20	20	20
450-750 MHz	18	20	20	20	20
750-1000 MHz	16	18	18	18	18



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GOLD SERIES 3-WAY DROP TAP

PCT-IT3W

Units: dB

INSERTION LOSS ± 1.5 dB	10	12	16	20	24
5-47 MHz	3.5	3.3	1.3	1.0	1.0
47-450 MHz	3.7	3.0	1.5	0.9	0.8
450-750 MHz	3.9	3.3	1.8	1.3	1.1
750-1000 MHz	4.5	3.6	2.0	1.5	1.3
OUT-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	25	27	31	35	39
47-450 MHz	25	27	31	35	36
450-750 MHz	20	22	26	30	33
750-1000 MHz	20	20	21	25	29
TAP-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	20	20	20	20	20
47-450 MHz	26	26	26	26	26
450-750 MHz	24	24	24	24	24
750-1000 MHz	20	20	20	20	20
RETURN LOSS - ALL PORTS ± 1.5 dB					
5-47 MHz	16	18	18	20	20
47-450 MHz	18	20	20	20	20
450-750 MHz	18	20	20	20	20
750-1000 MHz	16	18	18	18	18



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GOLD SERIES 4-WAY DROP TAP



PCT-IT4W

Units: dB

INSERTION LOSS ± 1.5 dB	10	12	16	20	24
5-47 MHz	5.8	3.5	2.0	1.1	1.0
47-450 MHz	5.8	3.7	1.8	1.0	0.8
450-750 MHz	6.5	3.9	2.2	1.4	1.1
750-1000 MHz	7.0	4.5	2.5	1.6	1.3
OUT-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	25	27	31	35	39
47-450 MHz	25	27	31	35	36
450-750 MHz	20	22	26	30	33
750-1000 MHz	20	20	21	25	29
TAP-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	20	20	20	20	20
47-450 MHz	26	26	26	26	26
450-750 MHz	24	24	24	24	24
750-1000 MHz	20	20	20	20	20
RETURN LOSS - ALL PORTS ± 1.5 dB					
5-47 MHz	16	18	18	20	20
47-450 MHz	18	20	20	20	20
450-750 MHz	18	20	20	20	20
750-1000 MHz	16	18	18	18	18



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**GOLD SERIES
8-WAY DROP TAP**

PCT-IT8W

Units: dB

INSERTION LOSS ± 1.5 dB	14	17	20	23	26	29
5-47 MHz	6.5	3.0	1.7	1.7	1.7	1.7
47-450 MHz	6.5	2.8	1.5	1.4	1.4	1.4
450-750 MHz	6.8	3.0	2.0	1.8	1.8	1.8
750-1000 MHz	7.0	3.2	2.5	2.0	2.0	2.0
OUT-TO-TAP ISOLATION ± 1.5 dB						
5-47 MHz	25	29	32	35	38	41
47-450 MHz	24	27	30	33	36	39
450-750 MHz	21	24	27	30	33	36
750-1000 MHz	20	22	25	28	31	34
TAP-TO-TAP ISOLATION ± 1.5 dB						
5-47 MHz	26	26	26	26	26	26
47-450 MHz	23	23	23	23	23	23
450-750 MHz	22	22	22	22	22	22
750-1000 MHz	20	20	20	20	20	20
RETURN LOSS: ALL PORTS ± 1.5 dB						
5-47 MHz	12	15	15	15	15	15
47-450 MHz	16	18	18	18	18	18
450-750 MHz	18	20	20	20	20	20
750-1000 MHz	16	18	18	18	18	18


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GOLD SERIES 1-WAY MINI DROP TAP



PCT-MIT1W

Units: dB

INSERTION LOSS ± 0.3 dB	6	8	12	16	20
5-47 MHz	1.8	1.3	0.8	0.7	0.7
47-450 MHz	1.9	1.2	0.9	0.6	0.6
450-750 MHz	2.3	1.5	1.2	0.8	0.8
750-1000 MHz	2.7	2.0	1.3	1.0	1.0
OUT-TO-TAP ISOLATION ± 1.5 dB					
5-47 MHz	23	25	27	31	35
47-450 MHz	23	25	25	30	32
450-750 MHz	20	22	22	26	28
750-1000 MHz	20	20	20	21	24
RETURN LOSS - IN-OUT ± 1.5 dB					
5-47 MHz	16	18	18	18	18
47-450 MHz	18	20	20	20	20
450-750 MHz	18	20	20	20	20
750-1000 MHz	16	18	18	18	18
RETURN LOSS - TAP ± 1.5 dB					
5-47 MHz	18	18	18	18	18
47-450 MHz	18	20	20	20	20
450-750 MHz	18	20	20	20	20
750-1000 MHz	16	18	18	18	18



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**GOLD SERIES
1-WAY WALL PLATE DROP TAP**
PCT-WP1W
Units: dB

INSERTION LOSS ± 1.5 dB	6	8	12	16	20	24
5-47 MHz	2.5	1.6	1.1	0.8	0.8	0.8
47-450 MHz	2.6	1.6	1.1	0.9	0.9	0.9
450-750 MHz	2.8	2.1	1.4	1.1	1.1	1.1
750-1000 MHz	3.2	2.5	1.6	1.3	1.3	1.3
OUT-TO-TAP ISOLATION ± 1.5 dB						
5-47 MHz	23	23	24	28	32	36
47-450 MHz	23	23	24	28	32	36
450-750 MHz	20	20	22	25	28	32
750-1000 MHz	20	20	20	21	25	28
RETURN LOSS - IN-OUT ± 1.5 dB						
5-47 MHz	18	18	18	18	18	18
47-450 MHz	18	18	20	20	20	20
450-750 MHz	20	20	20	20	20	20
750-1000 MHz	18	16	18	18	18	18
RETURN LOSS - TAP ± 1.5 dB						
5-47 MHz	16	18	18	18	18	18
47-450 MHz	18	20	20	20	20	20
450-750 MHz	20	20	20	20	20	20
750-1000 MHz	18	18	18	18	18	18



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GOLD SERIES 2-WAY WALL PLATE DROP TAP

PCT-WP2W

Units: dB

INSERTION LOSS ± 1.5 dB	6	8	12	16	20	24
5-47 MHz	5.8	3.5	1.8	1.3	1.0	1.0
47-450 MHz	5.8	3.7	1.7	1.2	0.9	0.9
450-750 MHz	6.5	3.9	1.8	1.4	1.1	1.1
750-1000 MHz	7.0	4.2	2.0	1.6	1.3	1.3
OUT-TO-TAP ISOLATION ± 1.5 dB						
5-47 MHz	20	22	24	28	32	36
47-450 MHz	25	23	24	28	32	36
450-750 MHz	21	21	22	26	30	32
750-1000 MHz	20	20	20	21	25	30
TAP-TO-TAP ISOLATION ± 1.5 dB						
5-47 MHz	20	20	22	22	22	22
47-450 MHz	22	22	24	24	24	24
450-750 MHz	21	21	23	23	23	23
750-1000 MHz	20	20	20	20	20	20
RETURN LOSS - IN-OUT ± 1.5 dB						
5-47 MHz	18	18	16	18	18	18
47-450 MHz	18	18	18	18	20	20
450-750 MHz	18	18	18	18	20	20
750-1000 MHz	16	16	16	16	18	18
RETURN LOSS - TAP ± 1.5 dB						
5-47 MHz	18	18	18	18	18	18
47-450 MHz	18	18	18	18	20	20
450-750 MHz	18	18	18	18	20	20
750-1000 MHz	16	16	16	18	18	18



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