

# 66 SERIES 1.218GHz OUTDOOR TAPS [DT66V-SR-CB-x-x-x] **TaiTin**

Cable Products, Mainline Passives

## Description

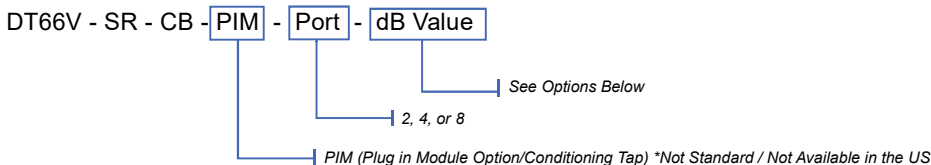
TaiTin's 66 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed AC/RF bypass switch for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by TaiTin's one year limited warranty. \*



## Features

- 5-1218 MHz Bandwidth
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" Ports for Extended Surge Resistance
- Epoxy Sealed and Nickel Plated Brass "F" ports
- Operational Temperature Range -40°C to +60°C (-40°F to +140°F)
- AC/RF bypass switch : CB: Continuous Through Signal w/o Faceplate
- Printed Circuit Boards
- Easily Interchangeable 2/4/8 Port Faceplates
- Rotational Seizure Mechanism for Aerial or Pedestal Installation
- Compliant with SCTE Guidelines
- PIM Equalizable Tap Options Available
- Standard jumper installed
- Options: PIM-EQ-xx, PIM-CS-xx, PIM-RPA-xx, PIM-FPA-xx, PIM-HPF-54
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A

## Ordering Information



Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT66V-SR-CB-x-2xx	10 pcs	40 pcs	20 kg / 44 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT66V-SR-CB-x-4xx	10 pcs	40 pcs	21 kg / 45 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT66V-SR-CB-x-8xx	10 pcs	40 pcs	23 kg / 48 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35

## 2 Port Specifications - 1.218 GHz

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Customization available upon request

### Insertion Loss (dB)

Frequency	4T	8		11		14		17		20		23		26		29		32 / 35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.8	1.0	0.8	0.9	0.7	0.9	0.7	0.9	0.7
10-65 MHz	T	3.6	3.0	1.6	1.4	1.1	0.8	1.1	0.7	0.8	0.6	0.8	0.6	0.7	0.6	0.7	0.5	0.7	0.5
65-300 MHz	T	4.0	3.4	1.8	1.5	1.3	0.9	1.2	0.8	0.9	0.7	0.9	0.7	0.9	0.7	0.8	0.6	0.8	0.6
300-550 MHz	T	4.7	4.0	2.5	2.1	1.9	1.4	1.7	1.1	1.3	0.9	1.3	0.9	1.3	0.8	1.2	0.8	1.2	0.8
550-750 MHz	T	5.0	4.3	2.7	2.3	2.1	1.4	1.8	1.2	1.5	1.0	1.5	1.0	1.4	0.8	1.3	0.8	1.3	0.8
750-862 MHz	T	5.0	4.3	3.0	2.5	2.3	1.5	2.0	1.2	1.8	1.3	1.7	1.2	1.7	0.9	1.4	0.9	1.4	0.9
862-1000 MHz	T	5.1	4.4	3.1	2.6	2.4	1.6	2.1	1.3	1.9	1.3	1.8	1.2	1.8	1.1	1.5	1.1	1.5	1.1
1000-1218 MHz	T	5.3	4.6	3.3	3.0	2.6	2.0	2.3	1.8	2.1	1.5	2.0	1.5	2.0	1.5	1.8	1.5	1.8	1.5

### Tap Value (dB) $\pm 1.0$ ( $\pm 1.5$ 860-1218MHz)

Frequency	4T	8	11	14	17	20	23	26	29	32 / 35
5-65 MHz	4	8	11	14	17	20	23	26	29	32 / 35
65-860 MHz	4	8	11	14	17	20	23	26	29	32 / 35
860-1218 MHz	4	8	11	14	17	20	23	26	29	32 / 35

### Tap to Tap Isolation (dB)

Frequency	(Max) 4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22

### Out to Tap Isolation (dB)

Frequency	(Max) 4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	T	21.5	23	24.5	26	27.5	29	30.5	32	33.5 / 35
10-65 MHz	T	27.5	29	30.5	32	33.5	35	36.5	38	39.5 / 41
65-860 MHz	T	25.5	27	28.5	30	31.5	33	34.5	36	37.5 / 39
860-1218 MHz	T	23.5	25	26.5	28	29.5	31	32.5	34	35.5 / 37

### Return Loss (dB)

Frequency	(Min) 4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	$\geq 15$	$\geq 15$	$\geq 15$	$\geq 15$	$\geq 15$	$\geq 15$	$\geq 15$	$\geq 15$	$\geq 15$	$\geq 15$
10-47 MHz	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$
47-950 MHz	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$	$\geq 18$
950-1218 MHz	$\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$

### Hum Modulation (dB)

Frequency	(Min) 4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$
10-860 MHz	$\geq 70$	$\geq 70$	$\geq 70$	$\geq 70$	$\geq 70$	$\geq 70$	$\geq 70$	$\geq 70$	$\geq 70$	$\geq 70$
860-1218 MHz	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$	$\geq 65$

## 4 Port Specifications - 1.218 GHz

66 Series 1.218 GHz Outdoor Taps | Cable Products, Mainline Passives

Customization available upon request

### Insertion Loss (dB)

Frequency	8T	11		14		17		20		23		26		29		32		35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.8	1.0	0.8	0.9	0.7	0.9	0.7	0.9	0.7
10-65 MHz	T	3.6	2.9	1.6	1.3	1.1	0.8	1.1	0.7	0.8	0.6	0.8	0.6	0.7	0.5	0.7	0.5	0.7	0.5
65-300 MHz	T	4.0	3.2	1.8	1.5	1.3	0.9	1.2	0.8	0.9	0.6	0.9	0.6	0.9	0.6	0.8	0.6	0.8	0.5
300-550 MHz	T	4.7	3.8	2.5	2.0	1.9	1.4	1.7	1.0	1.3	0.8	1.3	0.8	1.3	0.8	1.2	0.7	1.2	0.7
550-750 MHz	T	5.0	4.0	2.7	2.2	2.1	1.5	1.8	1.1	1.5	1.0	1.5	1.0	1.4	1.0	1.3	0.9	1.3	0.9
750-862 MHz	T	5.0	4.0	3.0	2.4	2.3	1.6	2.0	1.2	1.8	1.1	1.7	1.1	1.7	1.1	1.4	0.9	1.4	0.9
862-1000 MHz	T	5.1	4.1	3.1	2.5	2.4	1.7	2.1	1.3	1.9	1.2	1.8	1.2	1.8	1.2	1.5	1.0	1.5	1.0
1000-1218 MHz	T	5.3	4.2	3.3	3.0	2.6	2.0	2.3	1.8	2.1	1.5	2.0	1.5	2.0	1.5	1.8	1.5	1.8	1.5

### Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-65 MHz	8	11	14	17	20	23	26	29	32	35
65-860 MHz	8	11	14	17	20	23	26	29	32	35
860-1218 MHz	8	11	14	17	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

(Max)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22

### Out to Tap Isolation (dB)

(Max)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	T	23	24.5	26	27.5	29	30.5	32	33.5	35
10-65 MHz	T	29	30.5	32	33.5	35	36.5	38	39.5	41
65-860 MHz	T	27	28.5	30	31.5	33	34.5	36	37.5	39
860-1218 MHz	T	25	26.5	28	29.5	31	32.5	34	35.5	37

### Return Loss (dB)

(Min)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	≥15	≥15	≥15	≥15	≥15	≥15	≥15	≥15	≥15	≥15
10-47 MHz	≥18	≥18	≥18	≥18	≥18	≥18	≥18	≥18	≥18	≥18
47-950 MHz	≥18	≥18	≥18	≥18	≥18	≥18	≥18	≥18	≥18	≥18
950-1218 MHz	≥10	≥10	≥10	≥10	≥10	≥10	≥10	≥10	≥10	≥10

### Hum Modulation (dB)

(Min)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	≥65	≥65	≥65	≥65	≥65	≥65	≥65	≥65	≥65	≥65
10-860 MHz	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70
860-1218 MHz	≥65	≥65	≥65	≥65	≥65	≥65	≥65	≥65	≥65	≥65

## 8 Port Specifications - 1.218 GHz

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### Insertion Loss (dB)

Frequency		11T		14		17		20		23		26		29		32		35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
		5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.9	1.0	0.9	0.9	0.8	0.9	0.8
10-65 MHz	T	3.6	3.1	1.6	1.4	1.1	0.9	1.1	0.9	0.8	0.7	0.8	0.7	0.7	0.6	0.7	0.6	0.7	0.6
65-300 MHz	T	4.0	3.4	1.8	1.5	1.3	1.1	1.2	1.0	0.9	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.7
300-550 MHz	T	4.7	4.0	2.5	2.1	1.9	1.6	1.7	1.4	1.3	1.1	1.3	1.1	1.3	1.1	1.2	1.0	1.2	1.0
550-750 MHz	T	5.0	4.2	2.7	2.3	2.1	1.8	1.8	1.5	1.5	1.3	1.5	1.3	1.4	1.2	1.3	1.1	1.3	1.1
750-862 MHz	T	5.0	4.2	3.0	2.5	2.3	2.0	2.0	1.7	1.8	1.5	1.7	1.4	1.7	1.4	1.4	1.2	1.4	1.2
862-1000 MHz	T	5.1	4.3	3.1	2.6	2.4	2.1	2.1	1.8	1.9	1.6	1.8	1.3	1.8	1.3	1.5	1.3	1.5	1.3
1000-1218 MHz	T	5.3	4.5	3.3	3.0	2.6	2.2	2.3	2.0	2.1	1.8	2.0	1.7	2.0	1.5	1.8	1.5	1.8	1.5

### Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency		11T	14	17	20	23	26	29	32	35
5-65 MHz		11	14	17	20	23	26	29	32	35
65-860 MHz		11	14	17	20	23	26	29	32	35
860-1218 MHz		11	14	17	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

Frequency		(Max)		11T	14	17	20	23	26	29	32	35
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
5-10 MHz		18	18	18	18	18	18	18	18	18	18	18
10-65 MHz		26	26	26	26	26	26	26	26	26	26	26
65-860 MHz		24	24	24	24	24	24	24	24	24	24	24
860-1218 MHz		22	22	22	22	22	22	22	22	22	22	22

### Out to Tap Isolation (dB)

Frequency		(Max)		11T	14	17	20	23	26	29	32	35
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
5-10 MHz		T	24.5	26	27.5	29	30.5	32	33.5	35	35	35
10-65 MHz		T	30.5	32	33.5	35	36.5	38	39.5	41	41	41
65-860 MHz		T	28.5	30	31.5	33	34.5	36	37.5	39	39	39
860-1218 MHz		T	26.5	28	29.5	31	32.5	34	35.5	37	37	37

### Return Loss (dB)

Frequency		(Min)		11T	14	17	20	23	26	29	32	35
		Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min
5-10 MHz		≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10-47 MHz		≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
47-950 MHz		≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
950-1218 MHz		≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10

### Hum Modulation (dB)

Frequency		(Min)		11T	14	17	20	23	26	29	32	35
		Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min
5-10 MHz		≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
10-860 MHz		≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
860-1218 MHz		≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65