

88 SERIES 1.0 GHZ OUTDOOR TAPS [DT88G-SR-CB-x-x-x]

Cable Products, Mainline Passives

TaiTin

Description

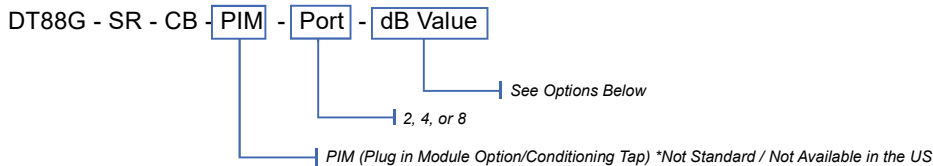
TaiTin's 88 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by TaiTin's one year limited warranty. *

Features

- 5-1002 MHz Bandwidth (1.2 GHz option also available)
- 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)
- Printed Circuit Board
- Power Passing Option: CB: Continuous Through Signal w/o Faceplate
- Easily Interchangeable 2/4/8 Port Faceplates
- Double Polyurethane Coating for Greater Weather Protection
- Compliant with SCTE Guidelines
- Standard jumper installed
- Aerial or Pedestal Installation
- PIM Equalizable Tap Options Available
- 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 |
|-------------------|-----------|-----------------|----------------|---|
| DT88G-SR-CB-x-2xx | 10 pcs | 40 pcs | 17 kg / 37 lbs | -04T, -08, -11, -14, -17, -20, -23, -26, -29, -32 |
| DT88G-SR-CB-x-4xx | 10 pcs | 40 pcs | 18 kg / 40 lbs | -08T, -11, -14, -17, -20, -23, -26, -29, -32, -35 |
| DT88G-SR-CB-x-8xx | 10 pcs | 40 pcs | 21 kg / 45 lbs | -11T, -14, -17, -20, -23, -26, -29, -32, -35 |

* Please refer to <http://www.taitin.com.tw/Specifications/warranty.pdf> for our warranty service agreement

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2 Port Specifications - 1.0 GHz

Customization available upon request

Insertion Loss (dB)

| Frequency | 4T | 8 | | 11 | | 14 | | 17 | | 20 | | 23 | | 26 | | 29 | | 32 | |
|--------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Max | Typ | Max | Typ | Max | Typ | Max | Typ | Max | Typ | Max | Typ | Max | Typ | Max | Typ | Max | Typ |
| 5-42 MHz | T | 3.4 | 3.1 | 1.8 | 1.2 | 1.0 | 0.8 | 0.9 | 0.7 | 0.8 | 0.5 | 0.8 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 |
| 43-400 MHz | T | 3.6 | 3.5 | 2.0 | 1.8 | 1.3 | 1.2 | 1.0 | 0.9 | 1.0 | 0.9 | 1.0 | 0.8 | 1.0 | 0.8 | 1.0 | 0.8 | 1.0 | 0.8 |
| 401-750 MHz | T | 4.5 | 4.2 | 2.4 | 2.2 | 1.5 | 1.5 | 1.4 | 1.1 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 |
| 751-1002 MHz | T | 4.8 | 4.5 | 3.3 | 3.0 | 2.6 | 1.7 | 2.0 | 1.5 | 2.0 | 1.4 | 1.8 | 1.3 | 1.8 | 1.3 | 1.8 | 1.3 | 1.8 | 1.3 |

Tap Value (dB) Tolerance: ± 1.0

| Frequency | 4T | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |
|--------------|----|---|----|----|----|----|----|----|----|----|
| 5-600 MHz | 4 | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |
| 601-800 MHz | 4 | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |
| 801-1002 MHz | 4 | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |

Tap to Tap Isolation (dB)

| Frequency | 4T | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |
|--------------|----|----|----|----|----|----|----|----|----|----|
| 5-15 MHz | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 16-42 MHz | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 43-600 MHz | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 601-1002 MHz | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |

Output to Tap Isolation (dB)

| Frequency | 4T | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |
|--------------|----|----|----|----|----|----|----|----|----|----|
| 5-15 MHz | T | 22 | 22 | 24 | 27 | 30 | 35 | 38 | 40 | 44 |
| 16-400 MHz | T | 23 | 26 | 30 | 30 | 34 | 36 | 38 | 42 | 45 |
| 401-750 MHz | T | 22 | 22 | 22 | 28 | 30 | 32 | 32 | 32 | 32 |
| 751-1002 MHz | T | 22 | 22 | 22 | 28 | 30 | 32 | 32 | 32 | 32 |

Input / Output / Tap Return Loss (dB)

| Frequency | 4T | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |
|--------------|----|----|----|----|----|----|----|----|----|----|
| 5-15 MHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 16-42 MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 43-400 MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 401-1002 MHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

Hum Modulation @ 10 A (dB)

| | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5-1002 MHz | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

General Specifications: Power Passing 12 A, 60/90 VAC

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4 Port Specifications - 1.0 GHz

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 |
| 5-42 MHz | T | 3.2 | 3.2 | 1.8 | 1.6 | 1.0 | 0.9 | 1.0 | 0.7 | 1.0 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 |
| 43-400 MHz | T | 3.5 | 3.4 | 2.0 | 1.8 | 1.3 | 1.2 | 1.0 | 0.9 | 1.0 | 0.8 | 1.0 | 0.8 | 1.0 | 0.8 | 1.0 | 0.8 | 1.0 | 0.8 |
| 401-750 MHz | T | 4.5 | 4.2 | 2.4 | 2.2 | 1.5 | 1.3 | 1.4 | 1.2 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 |
| 751-1002 MHz | T | 4.8 | 4.5 | 3.5 | 3.0 | 2.6 | 1.7 | 2.0 | 1.6 | 1.8 | 1.4 | 1.8 | 1.3 | 1.8 | 1.3 | 1.8 | 1.3 | 1.8 | 1.3 |

Tap Value (dB) Tolerance: ± 1.0

| Frequency | 8T | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|----|-----------|----|----|----|----|----|----|----|----|
| | | 5-600 MHz | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 |
| 601-800 MHz | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
| 801-1002 MHz | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |

Tap to Tap Isolation (dB)

| Frequency | 8T | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|----|----------|----|----|----|----|----|----|----|----|
| | | 5-15 MHz | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 16-42 MHz | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 43-600 MHz | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 601-1002 MHz | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |

Output to Tap Isolation (dB)

| Frequency | 8T | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|----|----------|----|----|----|----|----|----|----|----|
| | | 5-15 MHz | T | 22 | 22 | 22 | 27 | 35 | 38 | 40 |
| 16-400 MHz | T | 25 | 27 | 30 | 33 | 33 | 34 | 42 | 44 | 45 |
| 401-750 MHz | T | 24 | 25 | 28 | 30 | 30 | 30 | 39 | 41 | 43 |
| 751-1002 MHz | T | 22 | 23 | 24 | 25 | 24 | 25 | 27 | 31 | 32 |

Input / Output / Tap Return Loss (dB)

| Frequency | 8T | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|----|----------|----|----|----|----|----|----|----|----|
| | | 5-15 MHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 16-42 MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 43-400 MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 401-1002 MHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

Hum Modulation @ 10 A (dB)

| | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5-1002 MHz | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

General Specifications: Power Passing 12 A, 60/90 VAC

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8 Port Specifications - 1.0 GHz

Customization available upon request

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 |
| 5-42 MHz | T | 3.2 | 3.2 | 1.8 | 1.6 | 1.1 | 0.9 | 1.0 | 0.9 | 1.0 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 |
| 43-400 MHz | T | 3.5 | 3.4 | 2.0 | 1.8 | 1.3 | 1.2 | 1.3 | 0.9 | 1.0 | 0.8 | 1.0 | 0.8 | 1.0 | 0.8 | 1.0 | 0.8 |
| 401-750 MHz | T | 4.5 | 4.2 | 2.4 | 2.2 | 1.5 | 1.3 | 1.5 | 1.1 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 |
| 751-1002 MHz | T | 4.8 | 4.5 | 3.5 | 3.0 | 2.2 | 2.0 | 2.2 | 1.6 | 1.8 | 1.4 | 1.8 | 1.3 | 1.8 | 1.3 | 1.8 | 1.3 |

Tap Value (dB) Tolerance: ± 1.0

| Frequency | 11T | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|-----|----|----|----|----|----|----|----|----|
| 5-600 MHz | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
| 601-800 MHz | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
| 801-1002 MHz | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |

Tap to Tap Isolation (dB)

| Frequency | 11T | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|-----|----|----|----|----|----|----|----|----|
| 5-15 MHz | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 16-42 MHz | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 43-600 MHz | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 601-1002 MHz | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |

Output to Tap Isolation (dB)

| Frequency | 11T | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|-----|----|----|----|----|----|----|----|----|
| 5-15 MHz | T | 22 | 22 | 26 | 31 | 35 | 38 | 40 | 42 |
| 16-400 MHz | T | 28 | 28 | 30 | 33 | 34 | 35 | 42 | 44 |
| 401-750 MHz | T | 25 | 25 | 25 | 28 | 28 | 30 | 32 | 32 |
| 751-1002 MHz | T | 23 | 23 | 25 | 28 | 28 | 28 | 31 | 32 |

Input / Output / Tap Return Loss (dB)

| Frequency | 11T | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 |
|--------------|-----|----|----|----|----|----|----|----|----|
| 5-15 MHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 16-42 MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 43-400 MHz | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 401-1002 MHz | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |

Hum Modulation @ 10 Amp (dB)

| | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5-1002 MHz | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 | -60 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|

General Specifications: Power Passing 12 A, 60/90 VAC

