DIGITAL SPLITTERS & TAPS Genesys Mini and Genesys II PCT-NGN2M-xx, PCT-NGNII-xx, PCT-NGN2T1S-xx



Innovation for the Last Mile®















STANDARD FEATURES

PCT's Genesys Mini and Genesys II drop passives offer exceptional performance and long-term reliability for drop installations, particularly in systems with cable modem applications. Genesys Series splitters are specifically designed for minimizing intermodulation distortion and spurious signals. Included with both Genesys Series splitters is PCT's patented Digital Seizure Mechanism (DSM®), providing significant advantages in center conductor retention, surface contact area and electrical performance. Splitters are available in horizontal and vertical 2-way, 3-way (balanced and unbalanced), 4-way and 8-way configurations with solder-back back plates.

Features and Benefits

- Superior intermodulation distortion and second harmonic performance
- Excellent return loss and port-to-port isolation in the return band
- ✓ Patented PCT DSM® seizure technology (patent #6450836)
 - Provides increased spring retention for better surface contact, even after repeated entry, across minimum to maximum center conductor diameters
 - Gold-plated, beryllium copper construction for better corrosion resistance, impedance matching, and prevention of common path distortion
- ✓ 6 kV surge withstand, excellent second order harmonics performance after 10 surges to each port per IEEE C62.41-1991 Category A3
 - -45 dBmV spurious signals and second harmonics with a +55 dBmV input carrier
- Tin-plated backplate provides minimum -110 dB shielding effectiveness and superior defense against long-term corrosion factors
- ✓ Weather-sealed F ports
- Machine threaded, flat-faced F ports for improved ground plane contact
- ✓ Conforms to all applicable SCTE standards



8-Wav

4-Way

PCT-NGN2M-xx, PCT-NGNII-xx 3-Way balanced

3-Way

2-Way

General Specifications

✓ Nominal Impedance 75 Ohms Flatness (Tap & Out) $\pm 0.5 dB$ ✓ RFI -110 dB

 Surge Withstand IEEE C62.41-1991 Category A3 (6000 V, 200 Amp, 0.5 µs-100 kHz

Ring Wave)

Spurious Signals Including Second Harmonics

-45 dBmV, after 10 surges of A3 6 kV on each port measured with a +55 dBmV return input carrier

3-Way, Solder Back, Balanced

 Blocking Capacitors All ports

 Operating Temperature $-40 \text{ to } +60^{\circ} \text{ C } (-40 \text{ to } +140^{\circ} \text{ F})$

✓ Regulatory Compliance CE

Ordering Information

Splitter, Drop, Genesys 2 Mini

Horizontal

✓ PCT-NGN2M-2S 2-Way, Solder Back ✓ PCT-NGN2M-3S 3-Way, Solder Back

Splitter, Drop, Genesys II

Horizontal

✓ PCT-NGNII-3SB

PCT-NGNII-4S 4-Way, Solder Back ✓ PCT-NGNII-8S 8-Way, Solder Back Vertical

✓ PCT-NGNII-2SV 2-Way, Solder Back ✓ PCT-NGNII-3SV 3-Way, Solder Back PCT-NGNII-3SBV 3-Way Vertical, Solder Back, Balanced

✓ PCT-NGNII-4SV 4-Way Vertical, Solder Back ✓ PCT-NGNII-8SV 8-Way Vertical, Solder Back

Tap, Drop, Genesys II Mini Horizontal

1-Way "T" Style, Solder Back, ✓ PCT-NGN2T1S-xx xx = dB: 06, 09, 12, 16, 20, 24

| | 2-00 | | 3-way | balanced | 4-way | |
|--|---|----------------------|--|--|---|---|
| Parameters | Horiz. | Vert. | Horiz. & Vert. | Horiz. & Vert. | Horiz. & Vert. | Horiz. & Ver |
| Insertion Loss | | | | Typical (dB) | | |
| 5 to 15 MHz | 3.5 | 3.5 | 3.5 / 7.2 | 5.8 | 7.0 | 10.7 |
| 15 to 42 MHz | 3.5 | 3.5 | 3.5 / 7.2 | 5.7 | 6.9 | 10.5 |
| 42 to 65 MHz | 3.5 | 3.5 | 3.5 / 7.2 | 5.7 | 6.9 | 10.5 |
| | | | | | | |
| 65 to 250 MHz | 3.6 | 3.5 | 3.5 / 7.2 | 5.8 | 6.9 | 10.6 |
| 250 to 450 MHz | 3.6 | 3.5 | 3.5 / 7.2 | 5.9 | 6.9 | 10.6 |
| 450 to 550 MHz | 3.6 | 3.5 | 3.5 / 7.2 | 5.9 | 6.9 | 10.6 |
| 550 to 750 MHz | 3.8 | 3.7 | 3.7 / 7.9 | 6.1 | 7.3 | 11.1 |
| | | | | | | |
| 750 to 860 MHz | 3.8 | 3.7 | 3.7 / 7.9 | 6.3 | 7.3 | 11.2 |
| 860 to 1002 MHz | 3.8 | 3.7 | 3.7 / 7.9 | 6.5 | 7.5 | 11.5 |
| Out-to-Out Isolation | | | | Typical (dB) | | |
| 5 to 15 MHz | 24 | 27 | 29 | 25 | 42 | 33 |
| 15 to 42 MHz | 40 | 42 | 37 | 35 | 44 | 36 |
| | 40 | 42 | 37 | 35 | 44 | 36 |
| 42 to 65 MHz | | | | | | |
| 65 to 250 MHz | 25 | 27 | 28 | 30 | 41 | 30 |
| 250 to 450 MHz | 25 | 27 | 28 | 26 | 35 | 25 |
| 450 to 550 MHz | 25 | 27 | 28 | 24 | 33 | 25 |
| 550 to 750 MHz | 24 | 27 | 25 | 22 | 32 | 22 |
| | | | | | | |
| 750 to 860 MHz | 24 | 27 | 25 | 22 | 31 | 22 |
| 860 to 1002 MHz | 24 | 27 | 25 | 22 | 31 | 22 |
| Input Return Loss | | | | Typical (dB) | | |
| 5 to 15 MHz | 22 | 25 | 28 | 25 | 29 | 23 |
| 15 to 42 MHz | | 29 | 30 | | 34 | 28 |
| | 28 | | | 31 | | |
| 42 to 65 MHz | 28 | 29 | 28 | 31 | 35 | 28 |
| 65 to 250 MHz | 24 | 24 | 28 | 27 | 29 | 28 |
| 250 to 450 MHz | 24 | 24 | 28 | 25 | 28 | 28 |
| | | | | | | |
| 450 to 550 MHz | 22 | 24 | 28 | 23 | 28 | 26 |
| 550 to 750 MHz | 22 | 24 | 28 | 22 | 27 | 26 |
| 750 to 860 MHz | 22 | 24 | 28 | 22 | 27 | 26 |
| 860 to 1002 MHz | 22 | 24 | 28 | 21 | 26 | 25 |
| | 22 | 24 | 20 | | 20 | 23 |
| Output Return Loss | | | | Typical (dB) | | |
| 5 to 15 MHz | 22 | 28 | 30 | 23 | 33 | 27 |
| 15 to 42 MHz | 32 | 38 | 35 | 32 | 36 | 33 |
| 42 to 65 MHz | 32 | 32 | 35 | 34 | 35 | 32 |
| | | | | | | |
| 65 to 250 MHz | | | | | | |
| | 24 | 25 | 28 | 25 | 31 | 29 |
| 250 to 450 MHz | 24 | 25 25 | 28 28 | 25 | 31 31 | 29 |
| 250 to 450 MHz | 24 | 25 | 28 | 24 | 31 | 29 |
| 250 to 450 MHz 450 to 550 MHz | 24 22 | 25 25 | 28 28 | 24 23 | 31 31 | 29 29 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz | 24 22 22 | 25 25 25 | 28 28 28 | 24 23 22 | 31 31 30 | 29 29 27 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz | 24 22 22 22 | 25 25 25 25 | 28 28 28 28 | 24 23 22 22 | 31 31 30 29 | 29 29 27 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz | 24 22 22 | 25 25 25 | 28 28 28 | 24 23 22 | 31 31 30 | 29 29 27 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz | 24 22 22 22 | 25 25 25 25 | 28 28 28 28 | 24 23 22 22 | 31 31 30 29 | 29 29 27 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz | 24 22 22 22 | 25 25 25 25 | 28 28 28 28 28 | 24 23 22 22 | 31 31 30 29 28 | 29 29 27 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz | 24 22 22 22 22 22 | 25 25 25 25 | 28 28 28 28 28 28 | 24 23 22 22 21 -NGN2T15-x | 31 31 30 29 28 | 29 29 27 26 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters | 24 22 22 22 | 25 25 25 25 | 28 28 28 28 28 | 24 23 22 22 21 -NGN2T15-x 2 16 | 31 31 30 29 28 | 29 29 27 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss | 24 22 22 22 22 22 | 25 25 25 25 | 28 28 28 28 28 28 28 | 24 23 22 22 21 -NGN2T15-x 2 16 Typical (dB) | 31 31 30 29 28 | 29 29 27 26 26 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz | 24 22 22 22 22 22 6 | 25 25 25 25 | 28 28 28 28 28 28 PCT- 9 1: | 24 23 22 22 21 -NGN2T15-x 2 16 Typical (dB) .0 16.0 | 31 31 30 29 28 X 20 | 29 29 27 26 26 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters | 24 22 22 22 22 22 | 25 25 25 25 | 28 28 28 28 28 28 28 | 24 23 22 22 21 -NGN2T15-x 2 16 Typical (dB) .0 16.0 | 31 31 30 29 28 | 29 29 27 26 26 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz | 24 22 22 22 22 22 6 | 25 25 25 25 | 28 28 28 28 28 28 PCT- 9 1: | 24 23 22 22 21 -NGN2T15-x 2 16 Typical (dB) .0 16.0 | 31 31 30 29 28 X 20 | 29 29 27 26 26 26 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss | 24 22 22 22 22 22 6 6.0 6.2 | 25 25 25 25 | 28 28 28 28 28 28 PCT- 9 1: 9.0 12 9.0 12 | 24 23 22 22 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) | 31 31 30 29 28 X 20 20.0 20.0 | 29 29 27 26 26 24 24.0 24.0 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 150 MHz | 24 22 22 22 22 22 6 6.0 6.2 | 25 25 25 25 | 28 28 28 28 28 28 PCT-9 1: 9.0 12 9.0 12 1.4 0. | 24 23 22 22 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 | 31 31 30 29 28 X 20 20.0 20.0 | 29 29 27 26 26 26 24 24.0 24.0 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz | 24 22 22 22 22 22 26 6 6.0 6.2 2.1 2.5 | 25 25 25 25 | 28 28 28 28 28 29 PCT-9 1: 4 0. 1.9 1. | 24 23 22 22 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 | 31 31 30 29 28 X 20 20.0 20.0 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 150 MHz | 24 22 22 22 22 22 6 6.0 6.2 | 25 25 25 25 | 28 28 28 28 28 29 PCT-9 1: 4 0. 1.9 1. | 24 23 22 22 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 | 31 31 30 29 28 X 20 20.0 20.0 | 29 29 27 26 26 26 24 24.0 24.0 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz | 24 22 22 22 22 22 26 6 6.0 6.2 2.1 2.5 | 25 25 25 25 | 28 28 28 28 28 29 PCT-9 1: 4 0. 1.9 1. | 24 23 22 22 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 .0 16.0 .0 16.0 .0 16.0 .0 16.0 .0 0.8 0 0.8 | 31 31 30 29 28 X 20 20.0 20.0 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 15 to 65 MHz 65 to 400 MHz 400 to 600 MHz | 24 22 22 22 22 22 6 6.0 6.2 2.1 2.5 2.5 2.8 | 25 25 25 25 | 28 28 28 28 28 PCT-9 1: 9.0 12 9.0 12 1.4 0.1.9 1.1.9 1.1.8 1.8 | 24 23 22 22 21 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 4 1.0 | 31 31 30 29 28 x 20 20.0 20.0 0.6 0.6 0.8 1.0 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz | 24 22 22 22 22 22 26 6 6.0 6.2 2.1 2.5 2.5 | 25 25 25 25 | 28 28 28 28 28 PCT-9 1: 9.0 12 9.0 12 1.4 0.19 1.19 1.19 1. | 24 23 22 22 21 NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 4 1.0 7 1.5 | 31 31 30 29 28 X 20 20.0 20.0 0.6 0.6 0.8 | 29 29 27 26 26 26 24 24.0 24.0 0.6 0.6 0.8 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz 400 to 600 MHz 400 to 600 MHz 600 to 1002 MHz Out-to-Tap Isolation | 24 22 22 22 22 22 26 6.0 6.2 2.1 2.5 2.5 2.8 3.0 | 25 25 25 25 | 28 28 28 28 28 29 9.0 12 9.0 12 1.4 0. 1.9 1. 1.9 1. 1.9 1. 2.1 1. | 24 23 22 21 NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 4 1.0 7 1.5 Typical (dB) | 31 31 30 29 28 X 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 550 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz Out-to-Tap Isolation 5 to 10 MHz | 24 22 22 22 22 22 26 6 6.0 6.2 2.1 2.5 2.5 2.8 3.0 | 25 25 25 25 | 28 28 28 28 28 PCT-9 1.2 9.0 12 1.4 0.1 1.9 1.1 1.8 1.2.1 1.8 2.1 22 2 | 24 23 22 22 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 4 1.0 7 1.5 Typical (dB) 2 22 | 31 31 30 29 28 X 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 1.2 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 15 to 65 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz Out-Tap Isolation 5 to 10 MHz 10 to 65 MHz | 24 22 22 22 22 22 26 6.0 6.2 2.1 2.5 2.5 2.8 3.0 | 25 25 25 25 | 28 28 28 28 28 29 9.0 12 9.0 12 1.4 0. 1.9 1. 1.9 1. 1.9 1. 2.1 1. | 24 23 22 22 21 -NGN2T1S-x 2 | 31 31 30 29 28 X 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 550 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz Out-Tap Isolation 5 to 10 MHz | 24 22 22 22 22 22 26 6 6.0 6.2 2.1 2.5 2.5 2.8 3.0 | 25 25 25 25 | 28 28 28 28 28 PCT-9 1.2 9.0 12 1.4 0.1 1.9 1.1 1.8 1.2.1 1.8 2.1 22 2 | 24 23 22 22 21 NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 1.5 Typical (dB) 2 22 0 30 | 31 31 30 29 28 X 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 1.2 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz Out-to-Tap Isolation 5 to 10 MHz 10 to 65 MHz 65 to 870 MHz | 24 22 22 22 22 22 6 6.0 6.2 2.1 2.5 2.8 3.0 22 | 25 25 25 25 | 28 28 28 28 28 28 PCT-9 1. 9.0 12 9.0 12 1.4 0.1.9 1.1.9 1.1.8 1.2.1 1. 22 2 2 30 3i 22 2 2 | 24 23 22 22 21 -NGN2T1S-x 2 16 Typical (dB) .0 16.0 .0 16.0 .0 16.0 .0 0.8 4 1.0 7 1.5 Typical (dB) 2 22 0 30 2 22 | 31 31 30 29 28 X 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 1.2 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz Out-to-Tap Isolation 5 to 10 MHz 10 to 65 MHz 65 to 870 MHz 870 to 1002 MHz | 24 22 22 22 22 22 6 6.0 6.2 2.1 2.5 2.5 2.8 3.0 | 25 25 25 25 | 28 28 28 28 28 28 PCT-9 1: 4 0. 1.9 1. 1.9 1. 1.8 1. 2.1 1. 22 2. 30 36 | 24 23 22 22 21 NGN2T1S-x 2 16 Typical (dB) .0 16.0 .0 16.0 .0 16.0 .0 16.0 .7 1,0 8 0.8 0 0.8 0 0.8 4 1.0 7 1.5 Typical (dB) 2 22 2 22 2 22 | 31 31 30 29 28 X 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 1.2 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz Out-to-Tap Isolation 5 to 10 MHz 10 to 65 MHz 65 to 870 MHz 870 to 1002 MHz | 24 22 22 22 22 22 26 6.0 6.2 2.1 2.5 2.5 2.8 3.0 22 30 22 22 | 25 25 25 25 | 28 28 28 28 28 29 28 29 28 28 28 28 28 28 29 1.1 20 1.2 20 20 20 20 20 20 20 20 20 20 20 20 20 | 24 23 22 22 21 NGN2T1S-x 2 16 Typical (dB) .0 16.0 .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 4 1.0 7 1.5 Typical (dB) 2 22 2 22 Typical (dB) | 31 31 30 29 28 x 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.8 1.0 1.2 22 30 22 22 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz DIGITAL TAP Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz 0ut-to-Tap Isolation 5 to 10 MHz 10 to 65 MHz 65 to 870 MHz 870 to 1002 MHz 870 to 1002 MHz 870 to 1002 MHz | 24 22 22 22 22 22 26 6.0 6.2 2.1 2.5 2.5 2.8 3.0 22 20 22 | 25 25 25 25 | 28 28 28 28 28 29 28 29 20 20 28 20 28 20 28 20 28 20 28 20 28 20 28 28 28 28 28 28 28 28 28 28 28 28 28 | 24 23 22 22 21 NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 4 1.0 7 1.5 Typical (dB) 2 22 22 Typical (dB) 0 30 2 22 2 Typical (dB) 0 20 | 31 31 30 29 28 x 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.6 0.8 1.0 1.2 22 30 22 22 |
| 250 to 450 MHz 450 to 550 MHz 550 to 750 MHz 750 to 860 MHz 860 to 1002 MHz Parameters In-Tap Insertion Loss 5 to 550 MHz 550 to 1002 MHz In-Out Insertion Loss 5 to 15 MHz 15 to 65 MHz 65 to 400 MHz 400 to 600 MHz 600 to 1002 MHz Out-Tap Isolation 5 to 10 MHz 10 to 65 MHz 65 to 870 MHz 870 to 1002 MHz 870 to 1002 MHz | 24 22 22 22 22 22 26 6.0 6.2 2.1 2.5 2.5 2.8 3.0 22 30 22 22 | 25 25 25 25 | 28 28 28 28 28 29 28 29 28 28 28 28 28 28 29 1.1 20 1.2 20 20 20 20 20 20 20 20 20 20 20 20 20 | 24 23 22 22 21 NGN2T1S-x 2 16 Typical (dB) .0 16.0 Typical (dB) 8 0.8 0 0.8 0 0.8 4 1.0 7 1.5 Typical (dB) 2 22 22 Typical (dB) 0 30 2 22 2 Typical (dB) 0 20 | 31 31 30 29 28 x 20 20.0 20.0 0.6 0.6 0.8 1.0 1.4 | 29 29 27 26 26 24 24.0 24.0 0.6 0.8 1.0 1.2 22 30 22 22 |
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Specifications

DIGITAL SPLITTERS





