

ULTRA MINI

GENESYS 2 SPLITTERS WITH DSM™



NEW

PCT-NGN2M-2S

DSM PERFORMANCE

PCT's Genesys 2 mini drop passives offer exceptional performance and long-term reliability for drop installations, particularly in systems with cable modem applications. Mini Genesys 2 splitters were specifically designed for minimizing intermodulation distortions and spurious signals. Included is PCT's patented Digital Seizure Mechanism™ (DSM), which provides significant advantages in center conductor retention, surface contact area, and electrical performance.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION (Genesys 2 Splitter)
PCT-NGN2M-2S.....	Drop, 2 Mini, 2-Way Horizontal
PCT-NGN2M-3S.....	Drop, 2 Mini, 3-Way Horizontal

ADVANCED FEATURES

- *New mini digital splitters save space at the customer premise and in the warehouse!*
- *Superior intermodulation distortion and second harmonic performance*
- *Excellent return loss and port-to-port isolation in the return band*
- *6 kV surge withstand, guaranteed second order harmonics performance after 5 surges to each port of 6 kV*
- *-60 dBmV spurious signals and second harmonics with a +55 dBmV input carrier*
- *Weather-sealed "F" ports*
- *Available in 2-way and 3-way unbalanced configurations*
- *Actual Size! 46 x 25 mm (1.8 x 0.98 in) (W x H)*

Small in size.

Big on performance.



DSM CUTAWAY



Specifications subject to change without notice. Patent Number ?
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PRODUCTSPECS

2-WAY

3-WAY

Insertion Loss

5 to 15 MHz	3.3	3.4 / 7.0
16 to 42 MHz	3.3	3.4 / 6.9
43 to 65 MHz	3.3	3.4 / 6.9
66 to 250 MHz	3.4	3.4 / 6.9
251 to 450 MHz	3.4	3.5 / 7.0
451 to 550 MHz	3.5	3.5 / 7.0
551 to 750 MHz	3.6	3.6 / 7.2
751 to 860 MHz	3.7	3.6 / 7.3
861 to 1000 MHz	3.8	3.8 / 7.7

Out-to-Out Isolation

5 to 15 MHz	35	38
16 to 42 MHz	41	42
43 to 65 MHz	42	44
66 to 250 MHz	38	40
251 to 450 MHz	35	36
451 to 550 MHz	34	34
551 to 750 MHz	33	32
751 to 860 MHz	32	30
861 to 1000 MHz	30	28

Input Return Loss

5 to 15 MHz	22	23
16 to 42 MHz	28	28
43 to 65 MHz	30	29
66 to 250 MHz	30	29
251 to 450 MHz	31	29
451 to 550 MHz	31	30
551 to 750 MHz	30	30
751 to 860 MHz	30	30
861 to 1000 MHz	27	27

Output Return Loss

5 to 15 MHz	24	27
16 to 42 MHz	35	35
43 to 65 MHz	36	35
66 to 250 MHz	35	30
251 to 450 MHz	35	30
451 to 550 MHz	33	30
551 to 750 MHz	30	28
751 to 860 MHz	29	28
861 to 1000 MHz	28	27

General Specifications

Nominal Impedance	75 Ohms
Flatness (Tap & Out)	±0.5 dB
RFI	-130 dB
Spurious Signals Including Second Harmonics	-60 dBmV measured with a +55 dBmV return input carrier (-45 dBmV, after 5 surges of 6k V on each port measured with a +55 dBmV return input carrier)
Blocking Capacitors	All ports
Surge Withstand	IEEE C62.41-1991 Category A3 (6000 V, 200 Amp, 0.5 µs-100 kHz Ring Wave)
Operating Temperature Rating	-40 to +60° C (-40 to +140° F)

