

OUTDOOR LINE - TAPS

Outdoor line taps are high performance passives. The signal and power are constantly present on in and out port, while tap ports are used to feed the subscriber outlet.

Features

- High performance
- Intended for use in access networks
- Frequency range up to 1 GHz
- Well screened housings, meet easily Cenelec class A
- Umbrella housing design with weather resistant powder coating
- High performance power treatment
- Power and signal pass switch
- F ports DC blocked
- F ports waterproof design

Technical specifications

Two way taps (TP122-xx)

Frequency / MHz	4T	08	11	14	17	20	23	26	29
Insertion Loss dB maximum									
5...47	T	3,4	2,1	1,6	1,3	1,0	0,9	0,9	0,9
47...470	T	3,4	2,1	1,8	1,6	1,2	1,2	1,1	1,0
470...862	T	4,5	2,5	2,0	1,9	1,3	1,3	1,3	1,3
862...1000	T	5,2	3,3	2,5	2,4	1,8	1,8	1,8	1,7
Tap Loss dB (+/- 1.5 dB)									
5...862	4	8	11	14	17	20	23	26	29
862...1000	4	9	12	14	18	20	23	26	29
Out-to-Tap Isolation dB minimum									
5...47	T	16	18	28	22	28	32	35	35
47...470	T	25	23	24	27	27	29	33	34
470...862	T	22	23	24	27	25	27	29	29
862...1000	T	20	21	23	26	25	26	28	28
Tap-to-Tap Isolation dB minimum									
5...47	20	15	18	22	22	22	22	22	22
47...470	25	22	25	27	27	27	27	27	27
470...862	21	22	23	24	25	25	25	25	25
862...1000	19	19	19	19	19	19	19	19	19
Input-Output Return Loss dB minimum									
5...47	19	15	17	17	17	17	17	17	17
47...470	19	19	17	17	19	19	19	19	19
470...862	17	18	17	17	17	17	17	17	17
862...1000	15	15	15	15	15	15	15	15	15
Tap Return Loss dB minimum									
5...47	19	16	17	17	17	17	17	17	17
47...470	19	18	19	19	19	19	19	19	19
470...862	19	17	19	19	19	19	19	19	19
862...1000	17	17	17	17	17	17	17	17	17

General

Connectors	5/8
Impedance	75 Ω
Enclosure classification	IP67
Operating temperature range	-10...+55 °C
Storage temperature range	-30...+70 °C
EMC compatibility	EN 50083-2, class A
HUM modulation	-60dB @ 10A 60VAC
Maximum current	12A @ 90 VAC
Dimensions	90 mm x 80 mm x 90mm
Weight	max 0,32kg

Notes

1) 5 - 1000 MHz, according EN 50083-4

Technical specifications

Four way taps (TP124-xx)

Frequency / MHz	8T	11	14	17	20	23	26	29
Insertion Loss dB maximum								
5...47	T	3,4	2,4	1,6	1,4	1,0	0,9	0,9
47...470	T	3,5	2,3	2,0	1,6	1,3	1,2	1,3
470...862	T	4,6	3,1	2,1	2,0	1,5	1,4	1,4
862...1000	T	5,5	4,1	3,1	2,5	2,1	1,9	1,9
Tap Loss dB (+/- 1.5 dB)								
5...862	8	12	14	17	20	23	26	29
862...1000	8	12	14	17	20	23	26	29
Out-to-Tap Isolation dB minimum								
5...47	T	19	20	20	22	30	32	34
47...470	T	22	26	26	31	33	36	34
470...862	T	24	29	27	29	29	32	32
862...1000	T	19	25	22	24	26	29	29
Tap-to-Tap Isolation dB minimum								
5...47	19	16	17	20	19	21	21	21
47...470	25	20	19	22	22	22	24	22
470...862	22	20	21	21	21	21	21	21
862...1000	19	19	19	19	19	19	19	19
Input-Output Return Loss dB minimum								
5...47	19	16	17	17	17	19	19	19
47...470	19	18	17	18	19	19	19	19
470...862	17	17	16	17	16	16	17	17
862...1000	17	14	15	15	15	15	15	15
Tap Return Loss dB minimum								
5...47	17	16	17	17	17	17	17	17
47...470	19	18	18	18	19	19	18	18
470...862	17	17	17	17	17	17	17	17
862...1000	15	15	15	15	15	15	15	15

General

Connectors	5/8	
Impedance	75 Ω	
Enclosure classification	IP67	
Operating temperature range	-10...+55 °C	
Storage temperature range	-30...+70 °C	
EMC compatibility	EN 50083-2, class A	
HUM modulation	-60dB @ 10A 60VAC	2)
Maximum current	12A @ 90 VAC	
Dimensions	90 mm x 80 mm x 90mm	
Weight	max 0,34kg	

Notes

2) 5 - 1000 MHz, according EN 50083-4

Technical specifications

Eight way taps (TP128-xx)

Frequency / MHz	11T	14	17	20	23	26	29
Insertion Loss dB maximum							
5...47	T	3,9	2,7	2,0	1,4	1,0	1,0
47...470	T	4,3	2,7	2,1	1,8	1,5	1,4
470...862	T	5,1	3,1	2,3	1,9	1,6	1,6
862...1000	T	5,6	3,8	3,0	2,6	2,1	2,1
Tap Loss dB (+/- 1.5 dB)							
5...862	11	14	17	20	23	26	29
862...1000	12	16	18	20	23	26	29
Out-to-Tap Isolation dB minimum							
5...47	T	22	21	23	27	31	34
47...470	T	27	29	26	32	32	36
470...862	T	25	27	26	29	29	30
862...1000	T	23	23	23	26	27	27
Tap-to-Tap Isolation dB minimum							
5...47	18	18	20	20	21	21	18
47...470	19	19	20	21	21	21	21
470...862	19	19	19	19	19	19	19
862...1000	18	19	19	17	17	17	17
Input-Output Return Loss dB minimum							
5...47	17	15	17	17	17	17	17
47...470	18	19	17	17	17	17	19
470...862	16	17	17	17	17	17	17
862...1000	15	15	15	15	15	15	15
Tap Return Loss dB minimum							
5...47	15	16	17	17	17	17	16
47...470	19	18	19	19	19	19	19
470...862	17	17	17	17	16	17	17
862...1000	16	16	16	16	16	16	16

General

Connectors	5/8
Impedance	75 Ω
Enclosure classification	IP67
Operating temperature range	-10...+55 °C
Storage temperature range	-30...+70 °C
EMC compatibility	EN 50083-2, class A
HUM modulation	-60dB @ 10A 60VAC
Maximum current	12A @ 90 VAC
Dimensions	135 mm x 80 mm x 125 mm
Weight	max 0,65kg

Notes

3) 5 - 1000 MHz, according EN 50083-4