



PRODUCT FAMILY	DESCRIPTION
OUTDOOR RF PASSIVES	LINE TAPS - SKYLINE STYLE

FEATURES



- >> **HIGH** performance for **EXTREME** environmental conditions
- >> Intended for use in **ACCESS NETWORKS**
- >> Frequency range up to **1218 MHz**
- >> Well **SCREENED HOUSINGS**, meets and **EXCEEDS Cenelec CLASS A**
- >> Umbrella **SKYLINE STYLE** housing designed with weather resistant powder coating
- >> Optional Power and Signal **PASS SWITCH**
- >> F ports **DC BLOCKED** and **WATERPROOF** design

OUTDOOR LINE TAPS are high performance passives. The signal and power are constantly present on IN and OUT ports while the TAP ports are used to feed the subscriber outlets.



ELECTRICAL SPECIFICATIONS – 2-way taps (3TP2-xx-yyyy)

	4	8	11	14	17	20	23	26	29	32	35
INSERTION LOSS (dB, Max.) - IN TO OUT											
Frequency (MHz)											
5 - 65 ⁽¹⁾	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7	0.7
65 - 300	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8	0.8
300 - 550	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2	1.2
550 - 750	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3	1.3
750 - 862	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4	1.4
862 - 1000	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5	1.5
1000 - 1218	T	5.3	3.4	2.6	2.3	2.2	2.0	2.0	1.7	1.7	1.7
INSERTION LOSS (dB, Max.) - IN TO TAP											
5 - 65 ⁽¹⁾	5.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0
65 - 860	5.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0
860 - 1218	5.5	9.5	12.5	15.5	18.5	21.5	24.5	27.5	30.5	33.5	36.5
ISOLATION (dB, Min.) - OUT TO TAP											
5 - 65 ⁽¹⁾	T	26.0	28.0	30.0	32.0	33.0	35.0	36.0	38.0	39.0	41.0
65 - 860	T	25.0	27.0	28.0	30.0	31.0	33.0	34.0	36.0	37.0	39.0
860 - 1000	T	23.0	25.0	26.0	28.0	29.0	31.0	32.0	34.0	35.0	37.0
1000 - 1218	T	22.0	23.0	24.0	26.0	27.0	28.0	30.0	31.0	31.0	32.0
ISOLATION (dB, Min.) - TAP TO TAP											
5 - 65 ⁽¹⁾	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
65 - 860	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
860 - 1000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
1000 - 1218	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
RETURN LOSS (dB, Min.) - ALL PORTS											
10 - 47 ⁽¹⁾	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
47 - 950 ⁽²⁾	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
950 - 1218	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0



ELECTRICAL SPECIFICATIONS – 4-way taps (3TP4-xx-yyyy)

	8	11	14	17	20	23	26	29	32	35
INSERTION LOSS (dB, Max.) - IN TO OUT										
Frequency (MHz)										
5 - 65 (1)	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7
65 - 300	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8
300 - 550	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2
550 - 750	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3
750 - 862	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4
862 - 1000	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5
1000 - 1218	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7	1.7
INSERTION LOSS (dB, Max.) - IN TO TAP										
5 - 65 (1)	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0
65 - 860	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0
860 - 1218	9.5	12.5	15.5	18.5	21.5	24.5	27.5	30.5	33.5	36.5
ISOLATION (dB, Min.) - OUT TO TAP										
5 - 65 (1)	T	29.0	30.0	32.0	33.0	35.0	36.0	38.0	39.0	41.0
65 - 860	T	27.0	28.0	30.0	31.0	33.0	34.0	36.0	37.0	39.0
860 - 1000	T	25.0	26.0	28.0	29.0	31.0	32.0	34.0	35.0	37.0
1000 - 1218	T	25.0	25.0	25.0	27.0	28.0	30.0	31.0	31.0	34.0
ISOLATION (dB, Min.) - TAP TO TAP										
5 - 65 (1)	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
65 - 860	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
860 - 1000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
1000 - 1218	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
RETURN LOSS (dB, Min.) - ALL PORTS										
10 - 47 (1)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
47 - 950 (2)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
950 - 1218	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0



ELECTRICAL SPECIFICATIONS – 8-way taps (3TP8-xx-yyyy)

	11	14	17	20	23	26	29	32	35	
INSERTION LOSS (dB, Max.) - IN TO OUT										
Frequency (MHz)										
5 - 65 (1)	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7
65 - 300	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8
300 - 550	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2
550 - 750	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3
750 - 862	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4
862 - 1000	T	5.1	3.4	2.6	2.1	1.9	1.8	1.8	1.5	1.5
1000 - 1218	T	5.5	3.8	2.8	2.3	2.1	2.0	2.0	1.7	1.7
INSERTION LOSS (dB, Max.) - IN TO TAP										
5 - 65 (1)	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	
65 - 860	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	
860 - 1218	12.5	15.5	18.5	21.5	24.5	27.5	30.5	33.5	36.5	
ISOLATION (dB, Min.) - OUT TO TAP										
5 - 65 (1)	T	30.0	32.0	33.0	35.0	36.5	38.0	39.0	41.0	
65 - 860	T	28.0	30.0	31.0	33.0	34.5	36.0	37.0	39.0	
860 - 1000	T	26.0	28.0	29.0	31.0	32.5	34.0	35.0	37.0	
1000 - 1218	T	26.0	26.0	27.0	28.0	31.0	28.0	30.0	34.0	
ISOLATION (dB, Min.) - TAP TO TAP										
5 - 65 (1)	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	
65 - 860	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	
860 - 1000	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	
1000 - 1218	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	
RETURN LOSS (dB, Min.) - ALL PORTS										
10 - 47 (1)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
47 - 950 (2)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
950 - 1218	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	

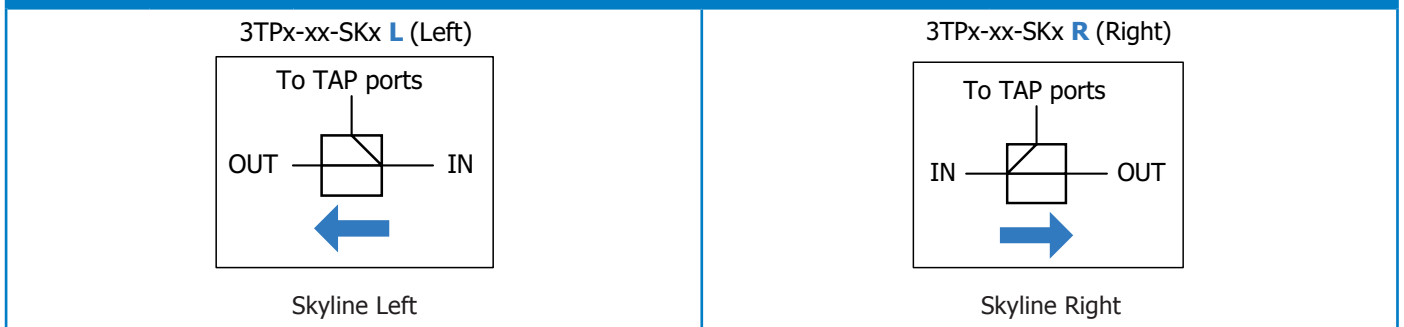
GENERAL SPECIFICATIONS

Connector Interface	5/8	F ports	Brass, with NiSn plating
Tightening torque	≥ 4.5 Nm	F-male pin diameter range	0.6 mm to 1.2 mm
F-inner contact	Phosphor Bronze, with Silver plating	Enclosure classification	IP67
Operating temperature range	-40° ... +60°C	EMC compatibility	EN60782-2, Class A
HUM modulation	65 dB @ 7A / 65 VAC	Maximum current	12A @ 90 VAC
Surge immunity ⁽³⁾ Each port (Min.)	2 kV	Dimensions (h x w x d)	2-4-way: 90 x 80 x 90 mm 8-way: 135 mm x 80 mm x 125 mm
Weight	2-4 way: 0.32 kg 8 way : 0.65 kg		

Notes:

- (1) Between 5MHz and 15MHz the above specifications are typical values and not min or max values
- (2) At F≥47 MHz -1.5 dB per octave
- (3) 2 kV, 1,2/50 μs surge voltage according to IEC 61000-4-5

BLOCK DIAGRAM



ORDERING INFORMATION

<p>3TP2-xx-yyyy, 3TP4-xx-yyyy, 3TP8-xx-yyyy xx = tap value in dB = 4, 8, 11, 14, 17, 20, 23, 26, 29, 32 or 35 dB yyyy = type of housing = SKLL = Skyline large left SKLR = Skyline large right SKSL = Skyline small left SKSR = Skyline small right</p>	<p><u>Available values:</u> 3TP2-4-8-11-14-17-20 3TP4-8-11-14-17-20-23-26-29-32-35 3TP8-11-14-17-20-23-26-29-32-35 <u>Available values:</u> 3TP2-4-8-11-14-17-20 3TP4-8-11-14-17-20-23-26-29-32-35</p>
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All these models can also be bought by section:

- Face plate only: the ordering information is **3TPx-xx-yyyy-FP**
- Housing only: **3TP-SK-HL**, for the outdoor Skyline empty housing **large**. **3TP-SK-HS**, for the outdoor Skyline empty housing **small**