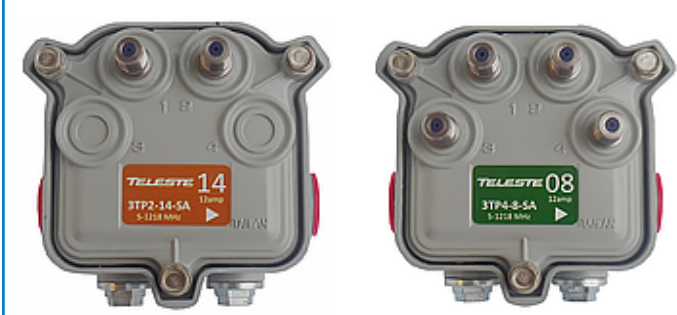





PRODUCT FAMILY	DESCRIPTION
<b>OUTDOOR RF PASSIVES</b>	<b>LINE TAPS - SA STYLE</b>

**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 **SA STYLE** housing designed with weather resistant powder coating
- >> Optional Power and Signal **PASS SWITCH**
- >> F ports **DC BLOCKED** and **WATERPROOF** designed

**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.

	<b>ELECTRICAL SPECIFICATIONS – 2-way taps (3TP2-xx-yy)</b>										
	4	8	11	14	17	20	23	26	29	32	35
<b>INSERTION LOSS (dB, Max.) - IN TO OUT</b>											
Frequency (MHz)											
5 - 65 <sup>(1)</sup>	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
<b>INSERTION LOSS (dB, Max.) - IN TO TAP</b>											
5 - 65 <sup>(1)</sup>	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
<b>ISOLATION (dB, Min.) - OUT TO TAP</b>											
5 - 65 <sup>(1)</sup>	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
<b>ISOLATION (dB, Min.) - TAP TO TAP</b>											
5 - 65 <sup>(1)</sup>	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
<b>RETURN LOSS (dB, Min.) - ALL PORTS</b>											
10 - 47 <sup>(1)</sup>	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
47 - 950 <sup>(2)</sup>	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-yy)**

	8	11	14	17	20	23	26	29	32	35
<b>INSERTION LOSS (dB, Max.) - IN TO OUT</b>										
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
<b>INSERTION LOSS (dB, Max.) - IN TO TAP</b>										
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
<b>ISOLATION (dB, Min.) - OUT TO TAP</b>										
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
<b>ISOLATION (dB, Min.) - TAP TO TAP</b>										
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
<b>RETURN LOSS (dB, Min.) - ALL PORTS</b>										
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-yy)**

	11	14	17	20	23	26	29	32	35	
<b>INSERTION LOSS (dB, Max.) - IN TO OUT</b>										
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
<b>INSERTION LOSS (dB, Max.) - IN TO TAP</b>										
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	
<b>ISOLATION (dB, Min.) - OUT TO TAP</b>										
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	
<b>ISOLATION (dB, Min.) - TAP TO TAP</b>										
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	
<b>RETURN LOSS (dB, Min.) - ALL PORTS</b>										
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**

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

**ORDERING INFORMATION**

**3TP2-xx-yy, 3TP4-xx-yy, 3TP8-xx-yy**

xx = tap value in dB = 4, 8, 11, 14, 17, 20, 23, 26, 29, 32 or 35 dB

yy = type of housing = SA for Scientific Atlanta