



**Technical data 5-1000 MHz professional range in 1-way taps**

TYPE Part No.		ATT 1-6 346106	ATT 1-8 346108	ATT 1-12 346112	ATT 1-16 346116	ATT 1-20 346120	ATT 1-24 346124	ATT 1-30 346130
Frequency range	MHz	5 - 1000	5 - 1000	5 - 1000	5 - 1000	5 - 1000	5 - 1000	5 - 1000
Outputs	pcs	1	1	1	1	1	1	1
Insertion loss (in - out)								
5 - 40 MHz	dB	< 2.4	< 2.1	< 0.9	< 0.8	< 0.7	< 0.7	< 0.7
40 - 470 MHz	dB	< 2.7	< 2.2	< 1.1	< 0.9	< 0.8	< 0.8	< 0.8
470 - 750 MHz	dB	< 3.0	< 2.4	< 1.2	< 1.0	< 1.0	< 1.0	< 1.0
750 - 860 MHz	dB	< 3.2	< 2.5	< 1.3	< 1.1	< 1.1	< 1.1	< 1.1
860 - 1000 MHz	dB	< 3.4	< 2.7	< 1.5	< 1.2	< 1.2	< 1.2	< 1.2
Tap loss (in - tap)								
5 - 40 MHz	dB	6.0 (± 1.5)	8.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	24.0 (± 1.0)	30.0 (± 1.0)
40 - 470 MHz	dB	6.0 (± 1.5)	8.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	24.0 (± 1.0)	30.0 (± 1.0)
470 - 750 MHz	dB	6.0 (± 1.5)	8.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	24.0 (± 1.0)	30.0 (± 1.0)
750 - 860 MHz	dB	6.0 (± 1.5)	8.0 (± 1.2)	12.0 (± 1.2)	16.0 (± 1.2)	20.0 (± 1.2)	24.0 (± 1.2)	30.0 (± 1.2)
860 - 1000 MHz	dB	6.0 (± 2.0)	8.0 (± 1.5)	12.0 (± 1.5)	16.0 (± 1.5)	20.0 (± 1.5)	24.0 (± 1.5)	30.0 (± 1.5)
Isolation (out - tap)								
5 - 40 MHz	dB	> 25.0	> 24.0	> 24.0	> 28.0	> 32.0	> 36.0	> 36.0
40 - 470 MHz	dB	> 28.0	> 28.0	> 28.0	> 30.0	> 32.0	> 34.0	> 34.0
470 - 750 MHz	dB	> 25.0	> 25.0	> 25.0	> 28.0	> 30.0	> 33.0	> 33.0
750 - 860 MHz	dB	> 24.0	> 25.0	> 26.0	> 28.0	> 30.0	> 32.0	> 32.0
860 - 1000 MHz	dB	> 23.0	> 24.0	> 25.0	> 27.0	> 29.0	> 31.0	> 31.0
Return loss (in - out)								
5 - 40 MHz	dB	> 21.0	> 19.0	> 21.0	> 21.0	> 22.0	> 22.0	> 22.0
40 - 470 MHz	dB	> 20.0	> 20.0	> 20.0	> 20.0	> 22.0	> 22.0	> 22.0
470 - 750 MHz	dB	> 19.0	> 20.0	> 20.0	> 20.0	> 20.0	> 20.0	> 20.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
Return loss (tap)								
5 - 40 MHz	dB	> 18.0	> 18.0	> 19.0	> 22.0	> 22.0	> 22.0	> 22.0
40 - 470 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 22.0	> 22.0	> 22.0
470 - 750 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 20.0	> 20.0	> 20.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
Shielding efficiency VHF/UHF	dB	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0
Power pass		No	No	No	No	No	No	No
Connectors		F-connector	F-connector	F-connector	F-connector	F-connector	F-connector	F-connector
Certification		CE	CE	CE	CE	CE	CE	CE
Impedance	Ohm	75	75	75	75	75	75	75
Weight	kg	0.070	0.070	0.070	0.070	0.070	0.070	0.070
Dimensions (h x d x w)	mm	38 x 16 x 74	38 x 16 x 74	38 x 16 x 74	38 x 16 x 74	38 x 16 x 74	38 x 16 x 74	38 x 16 x 74

# Triax taps - ATT series [5-1000 MHz]

KLASSE **A**  
CLASS GRADE 1



## Technical data 5-1000 MHz professional series in 2-way taps

TYPE Part No.		ATT 2-8 346208	ATT 2-10 346210	ATT 2-12 346212	ATT 2-16 346216	ATT 2-20 346220	ATT 2-24 346224
Frequency range	MHz	5 - 1000	5 - 1000	5 - 1000	5 - 1000	5 - 1000	5 - 1000
Outputs	pcs	2	2	2	2	2	2
Insertion loss (in - out)							
5 - 40 MHz	dB	< 3.6	< 2.5	< 2.2	< 1.0	< 0.7	< 0.7
40 - 470 MHz	dB	< 3.7	< 2.8	< 2.5	< 1.2	< 0.8	< 0.8
470 - 750 MHz	dB	< 3.9	< 3.0	< 2.8	< 1.3	< 0.9	< 0.9
750 - 860 MHz	dB	< 4.1	< 3.2	< 3.0	< 1.5	< 1.1	< 1.1
860 - 1000 MHz	dB	< 4.3	< 3.5	< 3.2	< 1.8	< 1.5	< 1.5
Tap loss (in - tap)							
5 - 40 MHz	dB	8.0 (± 1.0)	10.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	24.0 (± 1.0)
40 - 470 MHz	dB	8.0 (± 1.0)	10.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	24.0 (± 1.0)
470 - 750 MHz	dB	8.0 (± 1.2)	10.0 (± 1.2)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	24.0 (± 1.0)
750 - 860 MHz	dB	8.0 (± 1.2)	10.0 (± 1.5)	12.0 (± 1.5)	16.0 (± 1.2)	20.0 (± 1.2)	24.0 (± 1.2)
860 - 1000 MHz	dB	8.0 (± 1.5)	10.0 (± 2.0)	12.0 (± 1.5)	16.0 (± 1.5)	20.0 (± 1.5)	24.0 (± 1.5)
Isolation (tap - tap)							
5 - 40 MHz	dB	> 22.0	> 22.0	> 24.0	> 24.0	> 24.0	> 24.0
40 - 470 MHz	dB	> 25.0	> 25.0	> 25.0	> 25.0	> 25.0	> 25.0
470 - 750 MHz	dB	> 25.0	> 25.0	> 25.0	> 25.0	> 25.0	> 25.0
750 - 860 MHz	dB	> 24.0	> 24.0	> 24.0	> 24.0	> 24.0	> 24.0
860 - 1000 MHz	dB	> 23.0	> 23.0	> 23.0	> 23.0	> 23.0	> 23.0
Isolation (out - tap)							
5 - 40 MHz	dB	> 26.0	> 30.0	> 30.0	> 28.0	> 32.0	> 32.0
40 - 470 MHz	dB	> 25.0	> 27.0	> 30.0	> 30.0	> 30.0	> 30.0
470 - 750 MHz	dB	> 22.0	> 25.0	> 28.0	> 28.0	> 28.0	> 28.0
750 - 860 MHz	dB	> 21.0	> 25.0	> 25.0	> 25.0	> 26.0	> 26.0
860 - 1000 MHz	dB	> 20.0	> 24.0	> 25.0	> 25.0	> 26.0	> 26.0
Return loss (in - out)							
5 - 40 MHz	dB	> 22.0	> 22.0	> 22.0	> 22.0	> 22.0	> 22.0
40 - 470 MHz	dB	> 20.0	> 20.0	> 20.0	> 20.0	> 20.0	> 20.0
470 - 750 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 17.0	> 17.0	> 18.0	> 18.0	> 18.0	> 18.0
Return loss (tap)							
5 - 40 MHz	dB	> 22.0	> 22.0	> 22.0	> 22.0	> 22.0	> 22.0
40 - 470 MHz	dB	> 20.0	> 20.0	> 20.0	> 20.0	> 20.0	> 20.0
470 - 750 MHz	dB	> 17.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
750 - 860 MHz	dB	> 17.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 17.0	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
Shielding efficiency VHF/UHF	dB	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0
Power pass		No	No	No	No	No	No
Connectors		F-connector	F-connector	F-connector	F-connector	F-connector	F-connector
Certification		CE	CE	CE	CE	CE	CE
Impedance	Ohm	75	75	75	75	75	75
Weight	kg	0.085	0.085	0.085	0.085	0.085	0.085
Dimensions (h x d x w)	mm	38 x 16 x 96	38 x 16 x 96	38 x 16 x 96	38 x 16 x 96	38 x 16 x 96	38 x 16 x 96



### Technical data 5-1000 MHz professional series in 3-way taps

TYPE Part No.		ATT 3-10 346310	ATT 3-12 346312	ATT 3-16 346316	ATT 3-20 346320
Frequency range	MHz	5 - 1000	5 - 1000	5 - 1000	5 - 1000
Outputs	pcs	3	3	3	3
Insertion loss (in - out)					
5 - 40 MHz	dB	< 3.9	< 2.3	< 1.1	< 0.9
40 - 470 MHz	dB	< 4.0	< 2.4	< 1.3	< 1.0
470 - 750 MHz	dB	< 4.2	< 2.6	< 1.5	< 1.1
750 - 860 MHz	dB	< 4.4	< 2.8	< 1.7	< 1.3
860 - 1000 MHz	dB	< 4.6	< 3.0	< 2.0	< 1.5
Tap loss (in - tap)					
5 - 40 MHz	dB	10.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)
40 - 470 MHz	dB	10.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)
470 - 750 MHz	dB	10.0 (± 1.0)	12.0 (± 1.2)	16.0 (± 1.0)	20.0 (± 1.0)
750 - 860 MHz	dB	10.0 (± 1.2)	12.0 (± 1.5)	16.0 (± 1.2)	20.0 (± 1.2)
860 - 1000 MHz	dB	10.0 (± 1.5)	12.0 (± 2.0)	16.0 (± 1.5)	20.0 (± 1.5)
Isolation (tap - tap)					
5 - 40 MHz	dB	> 25.0	> 25.0	> 25.0	> 25.0
40 - 470 MHz	dB	> 26.0	> 26.0	> 26.0	> 26.0
470 - 750 MHz	dB	> 25.0	> 25.0	> 25.0	> 25.0
750 - 860 MHz	dB	> 25.0	> 25.0	> 25.0	> 25.0
860 - 1000 MHz	dB	> 24.0	> 24.0	> 24.0	> 24.0
Isolation (out - tap)					
5 - 40 MHz	dB	> 30.0	> 35.0	> 30.0	> 34.0
40 - 470 MHz	dB	> 26.0	> 28.0	> 30.0	> 32.0
470 - 750 MHz	dB	> 25.0	> 26.0	> 28.0	> 30.0
750 - 860 MHz	dB	> 23.0	> 25.0	> 26.0	> 27.0
860 - 1000 MHz	dB	> 23.0	> 24.0	> 25.0	> 26.0
Return loss (in - out)					
5 - 40 MHz	dB	> 22.0	> 20.0	> 22.0	> 22.0
40 - 470 MHz	dB	> 18.0	> 20.0	> 22.0	> 22.0
470 - 750 MHz	dB	> 18.0	> 18.0	> 18.0	> 20.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 17.0	> 17.0	> 17.0	> 17.0
Return loss (tap)					
5 - 40 MHz	dB	> 22.0	> 20.0	> 22.0	> 22.0
40 - 470 MHz	dB	> 20.0	> 20.0	> 18.0	> 18.0
470 - 750 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 16.0	> 16.0	> 16.0	> 16.0
Shielding efficiency VHF/UHF	dB	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0
Power pass		No	No	No	No
Connectors		F-connector	F-connector	F-connector	F-connector
Certification		CE	CE	CE	CE
Impedance	Ohm	75	75	75	75
Weight	kg	0.106	0.106	0.106	0.106
Dimensions (h x d x w)	mm	38 x 16 x 118	38 x 16 x 118	38 x 16 x 118	38 x 16 x 118

# Triax taps - ATT series [5-1000 MHz]



## Technical data 5-1000 MHz professional series in 4-, 5- and 6 ways taps

TYPE Part No.		ATT 4-12 346412	ATT 4-16 346416	ATT 4-20 346420	ATT 5-12 346512	ATT 6-16 346616
Frequency range	MHz	5 - 1000	5 - 1000	5 - 1000	5 - 1000	5 - 1000
Outputs	pcs	4	4	4	5	6
Insertion loss (in - out)						
5 - 40 MHz	dB	< 3.6	< 2.2	< 0.9	< 3.6	< 2.3
40 - 470 MHz	dB	< 3.7	< 2.3	< 1.0	< 3.7	< 2.5
470 - 750 MHz	dB	< 3.8	< 2.5	< 1.1	< 3.8	< 2.7
750 - 860 MHz	dB	< 4.0	< 2.7	< 1.3	< 4.0	< 2.9
860 - 1000 MHz	dB	< 4.2	< 3.0	< 1.5	< 4.2	< 3.0
Tap loss (in - tap)						
5 - 40 MHz	dB	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.5)
40 - 470 MHz	dB	12.0 (± 1.0)	16.0 (± 1.0)	20.0 (± 1.0)	12.0 (± 1.0)	16.0 (± 1.5)
470 - 750 MHz	dB	12.0 (± 1.2)	16.0 (± 1.2)	20.0 (± 1.0)	12.0 (± 1.2)	16.0 (± 1.5)
750 - 860 MHz	dB	12.0 (± 1.5)	16.0 (± 1.5)	20.0 (± 1.2)	12.0 (± 1.5)	16.0 (± 1.5)
860 - 1000 MHz	dB	12.0 (± 2.0)	16.0 (± 2.0)	20.0 (± 1.5)	12.0 (± 2.0)	16.0 (± 2.0)
Isolation (tap - tap)						
5 - 40 MHz	dB	> 26.0	> 26.0	> 26.0	> 26.0	> 26.0
40 - 470 MHz	dB	> 26.0	> 26.0	> 26.0	> 26.0	> 26.0
470 - 750 MHz	dB	> 25.0	> 25.0	> 25.0	> 25.0	> 25.0
750 - 860 MHz	dB	> 24.0	> 24.0	> 24.0	> 24.0	> 24.0
860 - 1000 MHz	dB	> 23.0	> 23.0	> 23.0	> 23.0	> 23.0
Isolation (out - tap)						
5 - 40 MHz	dB	> 28.0	> 30.0	> 32.0	> 28.0	> 36.0
40 - 470 MHz	dB	> 28.0	> 30.0	> 32.0	> 28.0	> 30.0
470 - 750 MHz	dB	> 26.0	> 28.0	> 30.0	> 26.0	> 25.0
750 - 860 MHz	dB	> 25.0	> 26.0	> 28.0	> 25.0	> 24.0
860 - 1000 MHz	dB	> 23.0	> 25.0	> 27.0	> 23.0	> 24.0
Return loss (in - out)						
5 - 40 MHz	dB	> 22.0	> 20.0	> 22.0	> 22.0	> 21.0
40 - 470 MHz	dB	> 20.0	> 20.0	> 22.0	> 20.0	> 20.0
470 - 750 MHz	dB	> 18.0	> 20.0	> 20.0	> 18.0	> 18.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 17.0
860 - 1000 MHz	dB	> 17.0	> 18.0	> 18.0	> 17.0	> 16.0
Return loss (tap)						
5 - 40 MHz	dB	> 22.0	> 22.0	> 22.0	> 22.0	> 19.0
40 - 470 MHz	dB	> 22.0	> 20.0	> 22.0	> 22.0	> 20.0
470 - 750 MHz	dB	> 20.0	> 20.0	> 20.0	> 20.0	> 20.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 18.0	> 18.0	> 18.0	> 18.0	> 17.0
Shielding efficiency VHF/UHF	dB	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0	≥ 110.0
Power pass		No	No	No	No	No
Connectors		F-connector	F-connector	F-connector	F-connector	F-connector
Certification		CE	CE	CE	CE	CE
Impedance	Ohm	75	75	75	75	75
Weight	kg	0.138	0.138	0.138	0.138	0.131
Dimensions (h x d x w)	mm	38 x 16 x 161	38 x 16 x 161	38 x 16 x 161	38 x 16 x 161	36 x 28 x 115



### Technical data 5-1000 MHz professional multi taps

TYPE Part No.		ATM 4-12T 346413	ATM 6-12T 346617	ATM 8-12T 346812
Frequency range	MHz	5 - 1000	5 - 1000	5 - 1000
Outputs	pcs	4	6	8
Tap loss (In - Tap 1-2)				
5 - 40 MHz	dB	12.5 (± 1.0)	12.5 (± 1.0)	12.5 (± 1.0)
40 - 470 MHz	dB	12.5 (± 1.0)	12.5 (± 1.0)	12.5 (± 1.0)
470 - 750 MHz	dB	12.5 (± 1.2)	12.5 (± 1.2)	12.5 (± 1.2)
750 - 860 MHz	dB	12.5 (± 1.5)	12.5 (± 1.5)	12.5 (± 1.5)
860 - 1000 MHz	dB	12.5 (± 1.5)	12.5 (± 1.5)	12.5 (± 1.5)
Tap loss (In - Tap 3-4)				
5 - 40 MHz	dB	12.0 (± 1.0)	13.5 (± 1.2)	13.5 (± 1.2)
40 - 470 MHz	dB	12.0 (± 1.0)	13.5 (± 1.2)	13.5 (± 1.2)
470 - 750 MHz	dB	12.0 (± 1.2)	13.5 (± 1.5)	13.5 (± 1.2)
750 - 860 MHz	dB	12.0 (± 1.5)	13.5 (± 2.0)	13.5 (± 1.5)
860 - 1000 MHz	dB	12.0 (± 2.0)	13.5 (± 2.0)	13.5 (± 1.5)
Tap loss (In - Tap 5-6)				
5 - 40 MHz	dB		14.5 (± 1.2)	14.5 (± 1.2)
40 - 470 MHz	dB		14.5 (± 1.2)	14.5 (± 1.2)
470 - 750 MHz	dB		14.5 (± 1.5)	14.5 (± 1.5)
750 - 860 MHz	dB		14.5 (± 2.0)	14.5 (± 2.0)
860 - 1000 MHz	dB		14.5 (± 2.5)	14.5 (± 2.0)
Tap loss (In - Tap 7-8)				
5 - 40 MHz	dB			15.5 (± 1.5)
40 - 470 MHz	dB			15.5 (± 1.5)
470 - 750 MHz	dB			15.5 (± 2.0)
750 - 860 MHz	dB			15.5 (± 2.5)
860 - 1000 MHz	dB			15.5 (± 2.5)
Isolation (Tap - Tap)				
5 - 40 MHz	dB	> 32.0	> 32.0	> 32.0
40 - 470 MHz	dB	> 30.0	> 30.0	> 30.0
470 - 750 MHz	dB	> 28.0	> 28.0	> 28.0
750 - 860 MHz	dB	> 28.0	> 28.0	> 28.0
860 - 1000 MHz	dB	> 28.0	> 28.0	> 28.0
Return loss (In - Tap)				
5 - 40 MHz	dB	> 22.0	> 22.0	> 22.0
40 - 470 MHz	dB	> 20.0	> 20.0	> 20.0
470 - 750 MHz	dB	> 18.0	> 18.0	> 18.0
750 - 860 MHz	dB	> 18.0	> 18.0	> 18.0
860 - 1000 MHz	dB	> 18.0	> 18.0	> 18.0
Shielding efficiency VHF/UHF	dB	≥ 110.0	≥ 110.0	≥ 110.0
Power pass		No	No	No
Connectors		F-connector	F-connector	F-connector
Certification		CE	CE	CE
Impedance	Ohm	75	75	75
Weight	kg	0.138	0.138	0.135
Dimensions (h x d x w)	mm	38 x 16 x 161	38 x 16 x 161	36 x 28 x 115