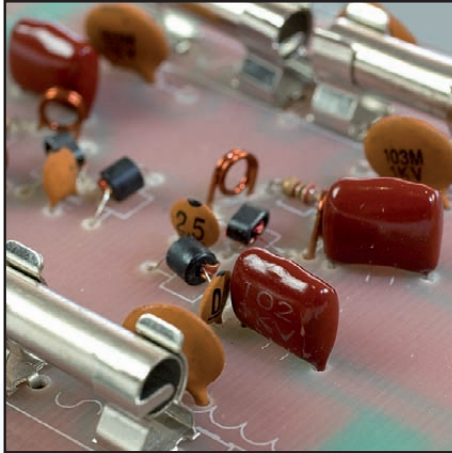


teletronik®

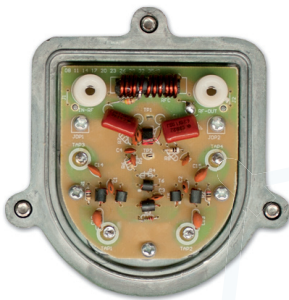
ECO-LINE



The **teletronik ECO-LINE** is our „golden path“ of CATV passives. It combines high power passing and excellent RFI parameters at a modest price.

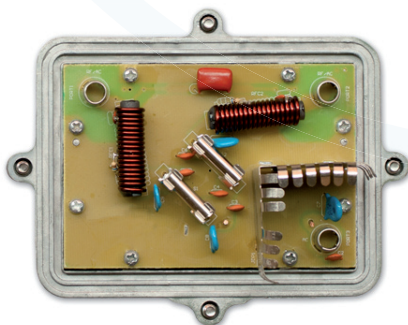
The high grade aluminium alloy housing is neoprane sealed and 100% weather-proof furthermore it's construction allows access without interrupting the power or RF services. Choose **teletronik ECO-LINE** for a long life-span and decent signal quality in the middle price range.

Outdoor taps

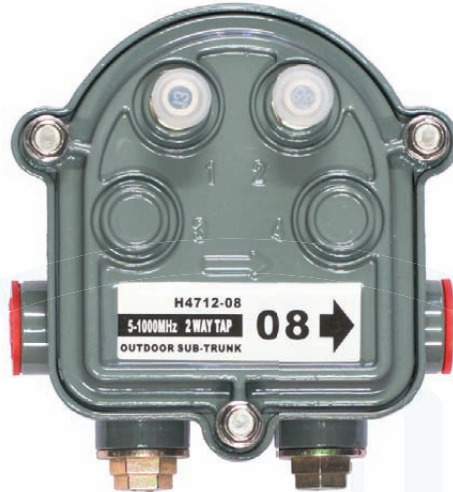


- ADC12 aluminium alloy housing with baked acrylic finish
- Neoprane sealed, nickel plated brass 75 Ω
- Uninterrupted power and RF service when faceplate removed
- RFI > 100 dB
- Hum modulation at 10 A: 5 - 1000 MHz > 66 dB
- Power passing 6 A, 60V AC 50 Hz

Directional coupler, line splitter, power inserter

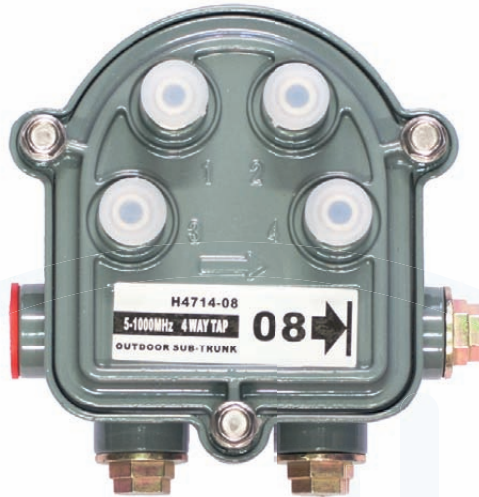


- ADC12 aluminium alloy housing with baked acrylic finish
- Neoprane sealed, nickel plated brass 75 Ω
- Uninterrupted power and RF service when faceplate removed
- Built-in fuse holder for power pass control
- RFI > 100 dB
- Hum modulation at 10 A: 5 - 1000 MHz > 66 dB
- Power passing 10 A, 60V AC 50 Hz



H-4712 2-WAY OUTDOOR TAP

Tap Value	Frequency (MHz)	4 dB	8 dB	11 dB	14 dB	17 dB	20 dB	23 dB	26 dB	29 dB	32 dB
Insertion Loss IN-OUT (dB Max)	5-10	-	3.2	1.7	0.9	0.5	0.5	0.5	0.4	0.4	0.4
	10-300	-	3.0	1.7	1.1	0.6	0.7	0.6	0.5	0.5	0.5
	300-400	-	3.2	2.0	1.3	0.8	0.8	0.8	0.5	0.5	0.5
	400-450	-	3.5	2.0	1.4	1.0	1.0	0.9	0.7	0.7	0.7
	450-600	-	3.7	2.2	1.6	1.1	1.1	1.0	0.8	0.8	0.8
	600-750	-	4.1	2.6	1.8	1.5	1.3	1.3	1.2	1.2	1.2
	750-900	-	4.3	2.8	2.2	1.7	1.6	1.5	1.4	1.4	1.4
	900-1000	-	4.8	3.1	2.4	2.0	1.9	1.8	1.6	1.6	1.6
Tap Loss IN-TO-TAP (±1.5dB)	5-10	4.0	8.5	10.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0
	10-750	4.0	8.5	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0
	750-900	4.0	8.5	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0
	900-1000	4.0	8.5	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0
Isolation TAP-TO-TAP (dB Min)	5-10	20	20	20	20	20	20	20	20	20	20
	10-600	24	24	24	24	24	24	24	24	24	24
	600-750	22	22	22	22	22	22	22	22	22	22
	750-1000	20	20	20	20	20	20	20	20	20	20
Isolation OUT-TO-TAP (dB Min)	5-10	-	19	19	21	25	25	27	29	31	33
	10-600	-	25	25	28	31	32	35	40	43	46
	600-750	-	23	23	26	29	32	34	38	41	44
	750-900	-	21	21	24	27	28	30	36	39	42
	900-1000	-	20	20	21	24	26	28	30	32	34
Return Loss IN, OUT & TAP (dB Min)	5-10	16	16	16	16	16	16	16	16	16	16
	10-400	18	18	18	18	18	18	18	18	18	18
	400-450	18	18	18	18	18	18	18	18	18	18
	450-750	17	17	17	17	17	17	17	17	17	17
	750-1000	16	16	16	16	16	16	16	16	16	16



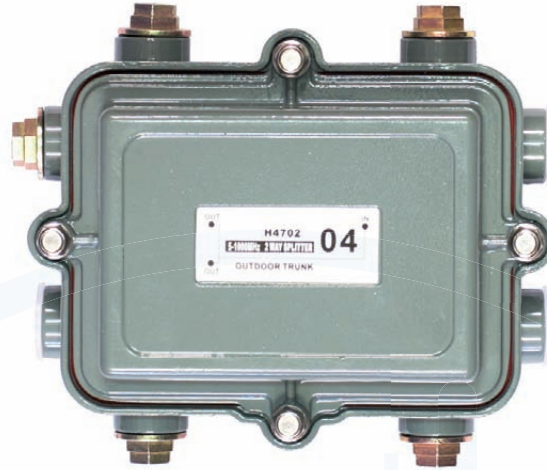
H-4714 4-WAY OUTDOOR TAP

Tap Value	Frequency (MHz)	8 dB	11 dB	14 dB	17 dB	20 dB	23 dB	26 dB	29 dB	32 dB
Insertion Loss IN-OUT (dB Max)	5-10	-	3.2	1.6	1.0	0.6	0.5	0.5	0.4	0.4
	10-300	-	3.0	1.7	1.0	0.7	0.7	0.6	0.5	0.5
	300-400	-	3.2	1.9	1.3	0.9	0.9	0.8	0.5	0.5
	400-450	-	3.5	2.0	1.4	1.1	1.0	0.9	0.7	0.7
	450-600	-	3.7	2.2	1.5	1.2	1.1	1.0	0.8	0.8
	600-750	-	4.1	2.6	1.8	1.5	1.4	1.3	1.2	1.2
	750-900	-	4.5	3.0	2.2	1.7	1.7	1.5	1.4	1.4
	900-1000	-	4.9	3.5	2.5	2.0	2.0	1.8	1.7	1.6
Tap Loss IN-TO-TAP (±1.5dB)	5-10	8.0	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0
	10-750	8.0	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0
	750-900	8.0	11.5	14.0	17.0	20.0	23.0	26.0	29.0	32.0
	900-1000	8.0	11.5	14.5	17.0	20.0	23.0	26.0	29.0	32.0
Isolation TAP-TO-TAP (dB Min)	5-10	20	20	20	20	20	20	20	20	20
	10-600	25	25	25	25	25	25	25	25	25
	600-750	23	23	23	23	23	23	23	23	23
	750-1000	20	18	20	20	20	20	20	20	20
Isolation OUT-TO-TAP (dB Min)	5-10	-	19	21	23	25	27	29	31	33
	10-600	-	25	28	31	31	33	38	40	46
	600-750	-	23	26	29	28	31	35	36	44
	750-900	-	21	24	25	25	27	32	33	42
	900-1000	-	20	22	23	23	25	30	32	34
Return Loss IN, OUT & TAP (dB Min)	5-10	16	16	16	16	16	16	16	16	16
	10-400	18	18	18	18	18	18	18	18	18
	400-450	18	18	18	18	18	18	18	18	18
	450-750	17	17	17	17	17	17	17	17	17
	750-1000	16	16	16	16	16	16	16	16	16



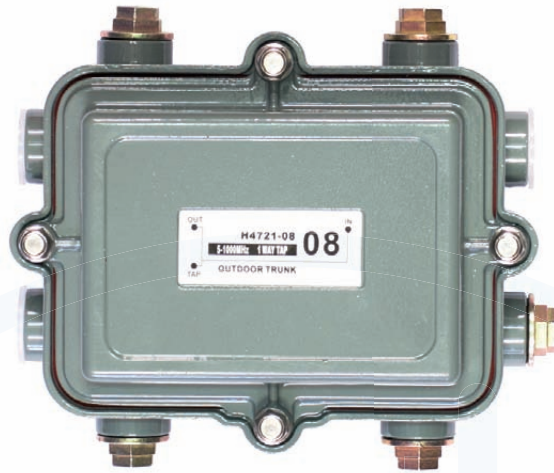
H-4718 8-WAY OUTDOOR TAP

Tap Value	Frequency (MHz)	11 dB	14 dB	17 dB	20 dB	23 dB	26 dB	29 dB	32 dB
Insertion Loss IN-OUT (dB Max)	5-10	-	3.2	1.6	1.0	0.6	0.5	0.5	0.4
	10-300	-	3.0	1.7	1.0	0.7	0.7	0.6	0.5
	300-400	-	3.2	1.9	1.3	0.9	0.9	0.8	0.5
	400-450	-	3.5	2.0	1.4	1.1	1.0	0.9	0.7
	450-600	-	3.7	2.2	1.5	1.2	1.1	1.0	0.8
	600-750	-	4.1	2.6	1.8	1.5	1.4	1.3	1.2
	750-900	-	4.5	3.0	2.2	1.7	1.7	1.5	1.4
	900-1000	-	4.9	3.5	2.5	2.0	2.0	1.8	1.7
Tap Loss IN-TO-TAP (±1.5dB)	5-10	11.0	15.0	17.0	20.0	23.0	26.0	29.0	31.5
	10-750	11.0	15.0	17.5	20.5	23.5	26.0	29.0	32.0
	750-900	11.5	15.0	17.5	20.5	23.5	26.5	29.0	32.0
	900-1000	11.5	15.5	17.5	20.5	23.5	26.5	29.0	32.0
Isolation TAP-TO-TAP (dB Min)	5-10	20	20	20	20	20	20	20	20
	10-600	24	24	24	24	24	24	24	24
	600-750	23	23	23	23	23	23	23	23
	750-1000	20	18	20	20	20	20	20	20
Isolation OUT-TO-TAP (dB Min)	5-10	-	19	19	21	27	29	31	33
	10-600	-	25	25	28	37	38	39	46
	600-750	-	23	23	26	30	33	35	44
	750-900	-	21	21	24	28	31	32	42
	900-1000	-	20	20	22	25	28	30	34
Return Loss IN, OUT & TAP (dB Min)	5-10	16	16	16	16	16	16	16	16
	10-400	18	18	18	18	18	18	18	18
	400-450	18	18	18	18	18	18	18	18
	450-750	17	17	17	17	17	17	17	17
	750-1000	16	16	16	16	16	16	16	16



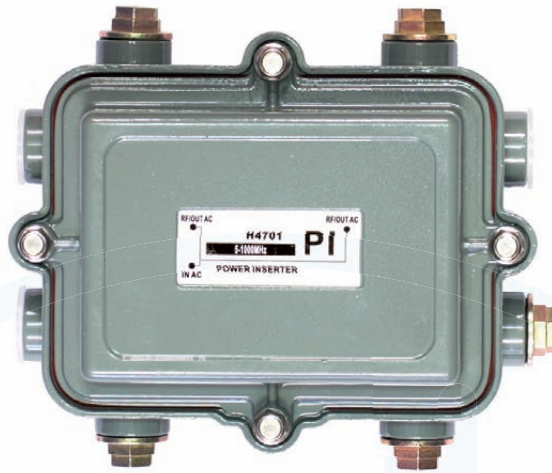
H-4702 - H-4703 LINE SPLITTER

MODEL		LINE SPLITTER					
		H-4702	H-4703				
Parameter	Frequency (MHz)	2 Way (Balanced)	3 Way (Balanced)		3 Way (Unbalanced)		
					In-Low	In-High	
Insertion Loss IN-OUT (dB Max)	5-10	4.2	6.5		7.5	4.0	
	10-300	4.1	5.9		7.4	3.9	
	300-400	4.2	5.9		7.6	4.1	
	400-450	4.3	6.0		7.9	4.1	
	450-600	4.5	6.4		7.9	4.8	
	600-750	4.9	7.2		8.2	4.9	
	750-900	5.2	7.8		8.4	5.2	
	900-1000	5.3	7.9		8.7	5.4	
		Port 2 - 3	Port 2 - 3	Port 2 - 4	Port 3 - 4	Low-Low	Low-High
Isolation OUT-TO-OUT (dB Min)	5-10	22	23	25	19	23	25
	10-500	25	25	25	22	25	28
	500-600	25	25	28	22	25	28
	600-750	25	23	25	22	23	25
	750-900	23	21	23	20	21	23
	900-1000	21	19	20	19	20	21
Return Loss IN, OUT (dB Min)	5-10	17	17		17		
	10-30	18	18		18		
	30-400	19	18		18		
	400-1000	17	17		17		



H-4721 1-WAY DIRECTIONAL COUPLER

MODEL		DIRECTIONAL COUPLER		
Parameter	Frequency (MHz)	Tap 8 (dB)	Tap 12 (dB)	Tap 16 (dB)
Insertion Loss IN-OUT (dB Max)	5-10	1.6	1.1	1.1
	10-300	1.7	1.2	1.1
	300-400	1.8	1.3	1.2
	400-450	1.9	1.4	1.3
	450-600	2.0	1.6	1.5
	600-750	2.4	2.0	1.7
	750-900	3.0	2.4	2.2
	900-1000	3.5	2.7	2.5
Tap Loss IN-TO-TAP (±1.5dB)	5-600	8.5	12.0	16.0
	600-1000	8.5	12.5	16.0
Isolation OUT-TO-TAP (dB Min)	5-10	18	20	22
	10-600	25	26	28
	600-750	24	26	28
	750-900	21	24	25
	900-1000	19	22	23
Return Loss IN, OUT & TAP (dB Min)	5-10	16	16	16
	10-30	18	18	18
	30-400	18	18	18
	400-1000	16	16	16



H-4701 POWER INSERTER

MODEL		POWER INSERTER
Parameter	Frequency (MHz)	H-4701
Insertion Loss IN-OUT (dB Max)	5-10	0.6
	10-300	0.6
	300-400	0.7
	400-450	0.7
	450-600	0.8
	600-750	1.0
	750-900	1.1
	900-1000	1.2
Insertion Loss IN-OUT-AC (dB Min)	5-10	65
	10-600	61
	600-750	58
	750-900	53
	900-1000	52
Return Loss IN, OUT & TAP (dB Min)	5-10	17
	10-50	18
	50-400	20
	400-1000	17



H-4722 2-WAY OUTDOOR TAP

MODEL		DIRECTIONAL COUPLER				
		H-4722				
Parameter	Frequency (MHz)	Tap 8 (dB)	Tap 12 (dB)	Tap 14 (dB)	Tap 16 (dB)	Tap 20 (dB)
Insertion Loss IN-OUT (dB Max)	5-10	4.0	1.6	1.2	1.1	1.1
	10-300	3.9	1.7	1.3	1.2	1.1
	300-400	4.1	1.8	1.4	1.3	1.2
	400-450	4.1	1.9	1.5	1.4	1.3
	450-600	4.8	2.0	1.7	1.6	1.5
	600-750	4.9	2.4	2.1	2.0	1.7
	750-900	5.2	3.0	2.5	2.4	2.2
	900-1000	5.4	3.5	3.0	2.7	2.5
Tap Loss IN-TO-TAP (± 1.5 dB)	5-600	8.0	12.5	14.0	16.0	20.0
	600-1000	8.0	12.5	14.5	16.5	20.5
Isolation OUT-TO-TAP (dB Min)	5-10	18	18	20	20	20
	10-600	25	25	26	26	26
	600-750	24	24	26	26	26
	750-900	21	21	24	24	24
	900-1000	19	19	22	22	22
Return Loss IN, OUT & TAP (dB Min)	5-10	16	16	16	16	16
	10-30	18	18	18	18	18
	30-400	18	18	18	18	18
	400-1000	16	16	16	16	16

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