

# outdoor passives



## Outdoor splitters

	Power Splitter			Directional Coupler			Power Inserter
Type no.	ODS 1G 02	ODS 1G 03	ODS 1G 03A	ODS 1G 108	ODS 1G 112	ODS 1G 116	ODL 1G PI
Item no.	40902	40903	40905	40910	40911	40912	40900
Insertion loss IN-OUT (5-500 MHz), typ	3.7 dB	5.8 dB	3.7/6.9 dB	1.8 dB	1.1 dB	0.7 dB	0.3 dB
Insertion loss IN-OUT (500-1000 MHz), typ	4.7 dB	6.3 dB	4.3/7.6 dB	2.3 dB	1.8 dB	1.4 dB	0.7 dB
Tap loss IN-TAP (5-500 MHz)	-	-	-	8 ± 1 dB	12 ± 1 dB	16 ± 1 dB	-
Tap loss IN-TAP (500-1000 MHz)	-	-	-	8 ± 1.5 dB	12 ± 1.5 dB	16 ± 1.5 dB	-
Isolation OUT-TAP (5-500 MHz), typ	-	-	-	28 dB	30 dB	32 dB	-
Isolation OUT-TAP (500-1000 MHz), typ	-	-	-	23 dB	25 dB	27 dB	-
Isolation OUT-OUT (5-500 MHz), typ	34 dB	34 dB	34 dB	-	-	-	77 dB
Isolation OUT-OUT (500-1000 MHz), typ	27 dB	27 dB	27 dB	-	-	-	53 dB
Return loss IN, OUT, TAP (5-1000 MHz)	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B
Max. Power passing	10A, 90VAC						15A, 90VAC
RFI	> 100 dB						
Connector IN, OUT, TAP	5/8"						
Dimensions	136.7 x 123.7 x 72 mm						
Weight	600 g	635 g	625 g	600 g	600 g	600 g	600 g



## Outdoor taps - 2-way

Type no.	ODT 1G 2-04	ODT 1G 2-08	ODT 1G 2-11	ODT 1G 2-14	ODT 1G 2-17	ODT 1G 2-20	ODT 1G 2-23	ODT 1G 2-26	ODT 1G 2-29
Item no.	40920	40921	40922	40923	40924	40925	40926	40927	40928
Insertion loss IN-OUT (5-500 MHz), typ	-	2.7 dB	2.3 dB	1.2 dB	1.0 dB	0.7 dB	0.7 dB	0.7 dB	0.7 dB
Insertion loss IN-OUT (500-1000 MHz), typ	-	3.3 dB	2.7 dB	1.6 dB	1.3 dB	1.1 dB	1.1 dB	1.1 dB	1.1 dB
Tap loss IN-TAP (5-500 MHz)	4 ± 1 dB	8 ± 1 dB	11 ± 1 dB	14 ± 1 dB	17 ± 1 dB	20 ± 1 dB	23 ± 1 dB	26 ± 1 dB	29 ± 1 dB
Tap loss IN-TAP (500-1000 MHz)	4 ± 1.5 dB	8 ± 1.5 dB	11 ± 1.5 dB	14 ± 1.5 dB	17 ± 1.5 dB	20 ± 1.5 dB	23 ± 1.5 dB	26 ± 1.5 dB	29 ± 1.5 dB
Isolation OUT-TAP (5-500 MHz), typ	-	27 dB	28 dB	32 dB	33 dB	34 dB	34 dB	36 dB	37 dB
Isolation OUT-TAP (500-1000 MHz), typ	-	25 dB	26 dB	27 dB	28 dB	30 dB	31 dB	33 dB	34 dB
Isolation TAP-TAP (5-500 MHz), typ	28 dB	30 dB	30 dB	32 dB	32 dB	32 dB	32 dB	32 dB	32 dB
Isolation TAP-TAP (500-1000 MHz), typ	25 dB	26 dB	26 dB	28 dB	30 dB	30 dB	30 dB	30 dB	30 dB
Return loss IN, OUT, TAP (5-1000 MHz)	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B
Max. Power passing	10A, 90VAC								
RFI	> 100 dB								
Connector IN, OUT	5/8"								
Connector TAP	F-female (ANSI/SCTE 01 2006)								
Dimensions	90.2 x 104 x 72 mm								
Weight	274 g								



## Outdoor taps - 4-way

Type no.	ODT 1G 4-08	ODT 1G 4-11	ODT 1G 4-14	ODT 1G 4-17	ODT 1G 4-20	ODT 1G 4-23	ODT 1G 4-26	ODT 1G 4-29
Item no.	40930	40931	40932	40933	40934	40935	40936	40937
Insertion loss IN-OUT (5-500 MHz), typ	-	2.8 dB	1.8 dB	1.0 dB	0.9 dB	0.8 dB	0.8 dB	0.8 dB
Insertion loss IN-OUT (500-1000 MHz), typ	-	3.9 dB	2.6 dB	1.6 dB	1.5 dB	1.0 dB	1.0 dB	1.0 dB
Tap loss IN-TAP (5-500 MHz)	8 ± 1 dB	11 ± 1 dB	14 ± 1 dB	17 ± 1 dB	20 ± 1 dB	23 ± 1 dB	26 ± 1 dB	29 ± 1 dB
Tap loss IN-TAP (500-1000 MHz)	8 ± 1.5 dB	11 ± 1.5 dB	14 ± 1.5 dB	17 ± 1.5 dB	20 ± 1.5 dB	23 ± 1.5 dB	26 ± 1.5 dB	29 ± 1.5 dB
Isolation OUT-TAP (5-500 MHz), typ	-	27 dB	30 dB	32 dB	34 dB	35 dB	37 dB	39 dB
Isolation OUT-TAP (500-1000 MHz), typ	-	25 dB	28 dB	30 dB	31 dB	32 dB	32 dB	34 dB
Isolation TAP-TAP (5-500 MHz), typ	30 dB	33 dB	33 dB	33 dB	36 dB	38 dB	40 dB	42 dB
Isolation TAP-TAP (500-1000 MHz), typ	23 dB	28 dB	28 dB	28 dB	29 dB	30 dB	31 dB	32 dB
Return loss IN, OUT, TAP (5-1000 MHz)	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B
Max. Power passing	10A, 90VAC							
RFI	> 100 dB							
Connector IN, OUT	5/8"							
Connector TAP	F-female (ANSI/SCTE 01 2006)							
Dimensions	90.2 x 104 x 72 mm							
Weight	288 g							



## Outdoor taps - 8-way

Type no.	ODT 8-11	ODT 8-14	ODT 8-17	ODT 8-20	ODT 8-23	ODT 8-26	ODT 8-29
Type no.	40940	40941	40942	40943	40944	40945	40945
Insertion loss IN-OUT (5-500 MHz), typ	-	3.0 dB	1.6 dB	1.4 dB	1.0 dB	1.0 dB	1.0 dB
Insertion loss IN-OUT (500-1000 MHz), typ	-	3.9 dB	2.4 dB	2.1 dB	1.3 dB	1.2 dB	1.2 dB
Tap loss IN-TAP (5-500 MHz)	11 ± 1 dB	14 ± 1 dB	17 ± 1 dB	20 ± 1 dB	23 ± 1 dB	26 ± 1 dB	29 ± 1 dB
Tap loss IN-TAP (500-1000 MHz)	11 ± 1.5 dB	14 ± 1.5 dB	17 ± 1.5 dB	20 ± 1.5 dB	23 ± 1.5 dB	26 ± 1.5 dB	29 ± 1.5 dB
Isolation OUT-TAP (5-500 MHz), typ	-	35 dB	35 dB	37 dB	37 dB	39 dB	39 dB
Isolation OUT-TAP (500-1000 MHz), typ	-	30 dB	30 dB	32 dB	32 dB	34 dB	34 dB
Isolation TAP-TAP (5-500 MHz), typ	32 dB	35 dB	35 dB	36 dB	36 dB	36 dB	36 dB
Isolation TAP-TAP (500-1000 MHz), typ	26 dB	28 dB	28 dB	30 dB	31 dB	31 dB	31 dB
Return loss IN, OUT, TAP (5-1000 MHz)	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B	Cat. B
Max. Power passing	10A, 90VAC						
RFI	> 100 dB						
Connector IN, OUT	5/8"						
Connector TAP	F-female (ANSI/SCTE 01 2006)						
Dimensions	134.6 x 112.3 x 69 mm						
Weight	454 g						