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- **1 watt to 1000 watts**
- **Custom Solutions**



A Tradition of Quality

A Commitment to Customer Service

Fixed Coaxial Attenuator



Model	Atten (min-max)	Fmax GHz	Pa W	Ppk kW	Conn	ARO	Disc	Notes
WA1W/6	(1-30)	6	2	0.5	N	30	A	
WA1W/6	(31-60)	6	2	0.5	N	30	A	
WA1W/12	(1-30)	12.4	2	0.5	N	30	A	
WA1W/12	(31-60)	12.4	2	0.5	N	30	A	
WA2W	(1-30)	18	2	0.5	N	30	A	
WA2W	(31-60)	18	2	0.5	N	30	A	
WA1/6	(1-30)	6	5	1	N	30	A	
WA1/6	(31-60)	6	5	1	N	30	A	
WA1	(1-30)	12.4	5	1	N	30	A	
WA1	(31-60)	12.4	5	1	N	30	A	
WA2	(1-30)	18	5	1	N	30	A	
WA2	(31-60)	18	5	1	N	30	A	
WA3	(1-20)	12.4	2	0.5	S	30	A	
WA3	(21-60)	12.4	2	0.5	S	30	A	
WA3C/6	(0-30)	6	2	0.5	S	30	A	
WA3C	(0-30)	12.4	2	0.5	S	30	A	
WA3CH/6	(0-30)	6	2	0.5	S	30	A	
WA3CH	(0-30)	12.4	2	0.5	S	30	A	
WA3H/6	(0-20)	6	2	0.5	S	30	A	
WA3H/6	(21-60)	6	2	0.5	S	30	A	
WA3H	(0-30)	12.4	2	0.5	S	30	A	
WA3H	(31-60)	12.4	2	0.5	S	30	A	
WA3M	(1-20)	12.4	2	0.5	S	30	A	
WA3M	(21-60)	12.4	2	0.5	S	30	A	
WA3T/6	(0-30)	12.4	2	0.5	S	30	A	
WA3T/6	(31-60)	12.4	2	0.5	S	30	A	
WA3T	(0-30)	12.4	2	0.5	S	30	A	
WA3T	(31-60)	12.4	2	0.5	S	30	A	
WA4	(1-20)	18	2	0.5	S	30	A	
WA4	(21-60)	18	2	0.5	S	30	A	
WA4C	(0-30)	18	2	0.5	S	30	A	
WA4CH	(0-30)	18	2	0.5	S	30	A	
WA4H	(0-30)	18	2	0.5	S	30	A	
WA4H	(31-60)	18	2	0.5	S	30	A	
WA4M	(0-20)	18	2	0.5	S	30	A	
WA4M	(21-60)	18	2	0.5	S	30	A	
WA4T	(0-30)	18	2	0.5	S	30	A	
WA4T	(31-60)	18	2	0.5	S	30	A	
WA6	(3/6/10/15/20/30)	50	1		2.4	30	A	
WA7/6	(1-30)	6	5	1	S	30	A	
WA7/6	(31-60)	6	5	1	S	30	A	
WA7/12	(1-30)	12	5	1	S	30	A	
WA7/12	(31-60)	12	5	1	S	30	A	
WA7	(1-30)	18	5	1	S	30	A	
WA7	(31-60)	18	5	1	S	30	A	
WA8/6	(1-60)	6	10	1	N	30	A	
WA8/12	(1-60)	12	10	1	N	30	A	
WA8	(1-60)	18	10	1	N	30	A	
WA9	(0-30)	26.5	2	0.5	S	30	B	
WA9	(31-60)	26.5	2	0.5	S	30	B	
WA9C	(0-30)	26.5	2	0.5	S	30	B	
WA9CH	(0-30)	26.5	2	0.5	S	30	B	
WA9H	(0-30)	26.5	2	0.5	S	30	B	
WA9H	(31-60)	26.5	2	0.5	S	30	B	
WA17	(1-30)	18	5	1	7mm	60	B	
WA17	(31-60)	18	5	1	7mm	60	B	
WA18	(3-30)	6	2	0.5	B	45	A	
WA19	(3-30)	6	5	0.5	B	45	A	

Fixed Coaxial Attenuator



Model	Atten (min-max)	Fmax GHz	Pa W	Ppk kW	Conn	ARO	Dis c	Notes
WA19	(3-30)	6	5	0.5	B	45	A	
WA20/6	(3-40)	6	10	0.5	B	45	B	
WA21	(3-40)	4	25	5	N,S,T	30	B	
WA22	(3-40)	8.5	25	5	N,S,T	30	B	
WA23	(3-50)	4	50	5	N,S,T,7/16	30	B	50 dB unidirectional
WA23B	(3-50)	4	50	5	N,S,T	30	B	50 dB unidirectional
WA24	(3-40)	8.5	50	5	N,S,T,7/16	30	B	
WA24B	(3-40)	8.5	50	5	N,S,T	30	B	
WA26	(3-50)	4	100	5	N,S,T,7/16	30	B	40, 50 dB unidirectional
WA27	(3-50)	8.5	100	5	N,S,T,7/16	30	B	
WA29	(3-40)	8.5	75	5	N,S,T,7/16	30	B	
WA30	(3-40)	4	100	5	N,S,T,7/16	30	B	40 dB unidirectional
WA31	(3-40)	8.5	100	5	N,S,T,7/16	30	B	
WA32	no longer offered, see part screening charges on Rates and Adders worksheet							
WA33	(3-30)	8.5	25	5	N,S,T,7/16	30	B	
WA33L	(3-30)	8.5	20	5	N,S,T,7/16	30	B	
WA33B	(3-30)	8.5	25	5	N,S,T	30	B	
WA34	(3-40)	4	25	5	N,S,T,7/16	30	B	
WA34L	(3-40)	4	20	5	N,S,T,7/16	30	B	
WA34B	(3-40)	4	25	5	N,S,T	30	B	
WA35	(10-40)	8.5	250	5	N,S,T,7/16	30	B	
WA36	(10-40)	8.5	300	5	N,S,T,7/16	30	B	
WA37	(1-60)	8.5	10	1	N	30	B	
WA38	(10-40)	5	300	5	N,S,T,7/16	30	B	
WA39	(10-40)	4	150	5	N,S,7/16	30	B	
WA40	(3-40)	3	150	10	N,S,7/16	30	B	
WA41/6	(1-60)	6	10	1	S	30	B	
WA41/12	(1-60)	12	10	1	S	30	B	
WA41/18	(1-60)	18	10	1	S	30	B	
WA41T	(1-60)	18	10	1	T	30	B	
WA42	(3-40)	3	150	10	N,S	60	B	
WA44	(1-30)	18	5	1	N(PREC)	30	B	
WA44	(31-60)	18	5	1	N (PREC)	30	B	
WA45	(3-40)	3	250	10	N,S,7/16	30	B	
WA46/12	(3-40)	12	25	1	N,S,T	30	B	
WA46	(3-40)	18	25	1	N,S,T	30	B	
WA47/12	(6-40)	12	50	1	N,S,T	30	B	
WA47	(6-40)	18	50	1	N,S,T	30	B	
WA48	(10-40)	18	100	1	N,S,T	30	B	
WA49	(3-40)	8.5	150	5	N,S,T,7/16	30	B	
WA50	(1-30)	3	2	1	N	30	B	

Fixed Coaxial Attenuator



Model	Atten (min-max)	Fmax GHz	Pa W	Ppk kW	Conn	ARO	Disc	Notes
WA50	(31-50)	3	2	1	N	30	B	
WA51	(10-40)	8.5	500	5	N,S,7/16	30	B	
WA52	(3-30)	6	150	5	N,S,T,7/16	30	B	
WA53	(10-40)	3	500	10	N,S,7/16	30	B	
WA54	(3-30)	40	2	0.5	K	30	A	
WA55/6	(3-30)	6	5	1	T	30	A	
WA55	(3-30)	18	5	1	T	30	A	
WA56	(3-30)	32	2	0.5	3.5	30	A	
WA57	(3-40)	5	150	10	N,S,7/16	30	B	
WA58	(3-40)	5	250	10	N,S,7/16	30	B	
WA59	(10-40)	3	100	10	N,S,7/16	30	B	
WA60	(10-40)	5	500	5	N,S,7/16	30	B	
WA61	(3-40)	4	150	5	N,S,T	45	B	
WA62	(3-40)	8.5	150	5	N,S,T	45	B	
WA65	(3-30)	3	150	10	N,S,T,7/16	45	B	
WA66/12	(10-40)	12.4	150	1	N,S,T	30	B	
WA66	(10-40)	18	150	1	N,S,T	30	B	
WA67	(10-40)	12.7	350	5	N	45	B	
WA68	(1-30)	6	100	5	N,S,T,7/16	30	B	
WA70	(20-40)	3	1000	10	N,7/16	60	B	
WA71	(3-40)	4	50	5	N,S,T	30	B	
WA72	(3-40)	8.5	50	5	N,S,T	30	B	
WA73	(3-30)	32	50	0.5	3.5	45	B	
WA74	(3-30)	26.5	25	0.5	3.5,K	30	B	
WA75	(3-30)	40	5	0.5	K	30	B	
WA76	(6-30)	40	10	0.5	K	45	B	
WA77	(3-30)	32	5	0.5	3.5	45	B	
WA78	(3-30)	32	10	0.5	3.5	45	B	
WA81	(10-40)	10	500	5	N,7/16	30	B	
WA89	(10-30)	40	20	0.5	K	45	B	
WA90	(3-40)	18	50	1	N,S	30	B	
WA91/12	(6-40)	12.4	100	1	N,S	30	B	
WA91	(6-40)	18	100	1	N,S	30	B	
WA92/12	(10-40)	12.4	150	1	N,S,T	30	B	
WA92	(10-40)	18	150	1	N,S,T	30	B	
WA95	(10-40)	18	200	1	N	45	B	
WA95/12	(10-40)	12.4	200	1	N	45	B	

Calibrated Attenuator Sets



Model	Base Model	Atten Values	Fmax GHz	Pa W	Ppk kW	Conn	ARO	Disc	Notes
WAS-6	WA2	3,6,10,20	18	5	1	N	30	B	4xWA2
WAS-18	WA44	1,3,6,10,20,30	18	5	1	N	30	B	6XWA44
WAS-19	WA9	3,6,10,20	26.5	2	0.5	S	30	B	4xWA9
WAS-16	WA17	1,3,6,10,20,30	18	5	1	7mm	60	B	6xWA17
WAS-20	WA54	3, 6, 10, 20	40	2	0.2	K	60	B	



Variable Attenuators

Continuously Variable Attenuators

Model	Atten Range	Frang. GHz	Pa W	Ppk kW	Conn	ARO	Disc	Notes
953-3	3	1-11	1	0.5	N	60	B	
953-10	10	2.5-11	1	0.5	N	60	B	
953-20	20	4-11	1	0.5	N	60	B	
953B-3	3	1-18	1	0.5	N	60	B	
953B-10	10	2.5-18	1	0.5	N	60	B	
953B-20	20	4-18	1	0.5	N	60	B	
953K-3	3	1-40	0.5	0.1	2.92	60	B	
953K-10	10	3-40	0.5	0.1	2.92	60	B	
953K-20	20	4-40	0.5	0.1	2.92	60	B	
973-10	10	1.3-11	1	0.5	N	60	B	
973-20	20	2.5-11	1	0.5	N	60	B	
973-40	40	4-11	1	0.5	N	60	B	
DA6-30	30	DC-6	0.3		S	30	B	Digital
DA6-60	60	DC-6	0.3		S	30	B	Digital
DA6-90	90	DC-6	0.3		S	60	B	Digital
DA13-30	30	DC-13	0.3		S	45	B	Digital
DA13-60	60	DC-13	0.3		S	45	B	Digital
VA-02-30	30	DC-2	5	0.5	N,S	30	B	
VA-02-60	60	DC-2	5	0.5	N,S	30	B	
VA-02-100	100	DC-2	5	0.5	N,S	30	B	
VA-02-114	114	DC-2	5	0.5	N,S	30	B	
VA-02-115	115	DC-2	5	0.5	N,S	30	B	
VA-04-30	30	DC-4	5	0.5	N,S	30	B	
VA-04-60	60	DC-4	5	0.5	N,S	30	B	
VA-04-90	90	DC-4	5	0.5	N,S	30	B	
VA-05-60	60	DC-5	5	0.5	N,S	30	B	



Coaxial Terminations

Model	Fmax	Pa	Ppk	Conn	ARO	Disc	Notes
	GHz	W	kW				
WA1401/3	3	1	0.25	S(m)	30	A	
WA1401/6	6	1	0.25	S(m)	30	A	
WA1401/12	12.4	1	0.25	S(m)	30	A	
WA1401/18	18	1	0.25	S(m)	30	A	
WA1401/26	26.5	1	0.25	S(m)	30	A	
WA1402	40	1	0.25	K	45	B	
WA1405	50	0.5		2.4mm	15	A	
WA1406	12.4	2	0.5	S	30	A	
WA1407	50	1		2.4mm	15	A	
WA1408	18	2	0.5	S	30	A	
WA1409	26.5	2	0.5	S(m)	30	A	
WA1419	18	10	1	S	30	B	
WA1421/4	4	25	5	N,S,T	30	B	
WA1421	8.5	25	5	N,S,T	30	B	
WA1422	4	75	5	N,S,T,7/16	30	B	
WA1423	4	50	5	N,S,T,7/16	30	B	
WA1423B	4	50	5	N,S,T	30	B	
WA1424/12	12.4	5	0.5	N,T	30	B	
WA1424	18	5	0.5	N,T	30	B	
WA1425/6	6	10	1	N,T,7/16	30	B	
WA1425/12	12.4	10	1	N,T,7/16	30	B	
WA1425	18	10	1	N	30	B	
WA1426	8.5	50	5	N,S,T,7/16	30	B	
WA1426B	8.5	50	5	N,S,T	30	B	
WA1427	10	25	5	N	30	B	
WA1428	3	150	10	N,S,T,7/16	30	B	
WA1429	8.5	75	5	N,S,7/16	30	B	
WA1430	4	100	5	N,S,7/16	30	B	
WA1431	8.5	100	5	N,S,7/16	30	B	
WA1432	4	100	5	N,T,7/16	30	B	
WA1433	8.5	25	5	N,S,T,7/16	30	B	
WA1433B	8.5	25	5	N,S,T	30	B	
WA1433L	8.5	20	5	N,S,T	30	B	
WA1434	4	25	5	N,S,T	30	B	
WA1434B	4	25	5	N,S,T	30	B	
WA1434L	4	20	5	N,s,T	30	B	
WA1435	8.5	250	5	N,S,7/16	30	B	
WA1436	8.5	300	5	N,S,7/16	30	B	
WA1437	8.5	10	1	N,S	30	A	
WA1438	5	300	10	N,S,7/16	30	B	
WA1439	3	150	10	N,S,T,7/16	30	B	
WA1443	18	5	1	S	30	A	
WA1444	26.5	25	0.5	3.5,K	30	B	
WA1445	3	250	10	N,7/16	30	B	
WA1446	18	25	1	N,S,T	30	B	
WA1447	18	50	1	N,S,T	30	B	
WA1448	18	100	1	N,S,T	30	B	
WA1449	8.5	150	5	N,S,T,7/16	30	B	
WA1451	8.5	500	5	N,S,7/16	30	B	
WA1452	4	25	5	N,S	30	B	
WA1453	3	500	10	N,7/16	30	B	
WA1454	40	2	0.5	K	30	B	
WA1455/6	6	2	0.5	N,T	30	A	
WA1455/12	12.4	2	0.5	N,T	30	A	
WA1455/18	18	2	0.5	N,T	30	A	
WA1456	32	2	0.5	3.5	30	A	
WA1458	5	250	10	n,S,T,7/16	30	B	
WA1460	5	500	10	N,7/16	30	B	
WA1461	4	150	5	N,S,T,7/16	30	B	
WA1462	8.5	150	5	N,S,T,7/16	30	B	
WA1465	3	150	10	N,S,T,7/16	45	B	
WA1466	18	150	5	N,S	30	B	
WA1467	12.7	350	5	N	45	B	
WA1470	3	1000	10	N,7/16	30	B	
WA1471	4	50	5	N,S,T	30	B	
WA1472	8.5	50	5	N,S,T	30	B	
WA1473	28	50	1	3.5,K	30	B	
WA1475	40	5	0.5	K	30	B	
WA1476	40	10	0.5	K	30	B	
WA1477	32	5	0.5	3.5,K	30	B	
WA1478	32	10	0.5	3.5,K	30	B	
WA1489	40	20	0.5	K	45	B	
WA1490	18	50	1	N,S	30	B	
WA1491	18	100	1	N,S	30	B	
WA1495	18	200	1	N	45	B	



DC Blocks

Model	Fmin GHz	Fmax GHz	Vmax		Conn	ARO	Disc	Notes
			V	x				
WA6043	9 kHz	18	50		N	30	A	
WA6046/6	0.01	6	50		N	30	A	
WA6046	0.01	18	50		N	30	A	
WA6055H/6	0.01	6	50		S	30	A	
WA6055H	0.01	18	50		S	30	A	
WA6056H	9 kHz	26.5	50		S	30	A	
WA7046/6	0.01	6	100		N	30	A	
WA7046	0.01	18	100		N	30	A	
WA7055H/6	0.01	6	100		S	30	A	
WA7055H	0.01	18	100		S	30	A	
WA8046/6	0.01	6	200		N	30	A	
WA8046	0.01	18	200		N	30	A	
WA8055H/6	0.01	6	200		S	30	A	
WA8055H	0.01	18	200		S	30	A	

Tunner

Model	Fmin	Fmax	Pmax	Con n	ARO	Disc	Export		Notes
	GHz	GHz	W				List	Rep	
WA200261	0.75	1.24	300	N	30	B	\$908	\$771	



Power Dividers / Splitters



	Fmax	Pa	Ppk					
Model	GHz	W	kW	Conn	ARO	Disc	Notes	
7PS-018	18	1	0.25	N/7mm	30	B	Splitter	
PS-018	18	1	0.25	N	30	B	Splitter	
WA1506A	18	1	0.25	N	30	B	Divider	
WA1507R	4	1	0.25	S	30	B	Splitter	
WA1515	18	1	0.5	S	30	B	Divider	
WA1534	40	1	0.25	2.92	60	B	Splitter	
WA1549R	4	1	0.5	S	30	B	Divider	
WA1574	26.5	1	0.25	3.5	60	B	Divider	
WA1575	40	1	0.25	2.92	60	B	Divider	
WA1593	26.5	1	0.25	3.5	60	B	Splitter	



Precision RF Adapters

	Fmax							
Model	GHz	Conn	ARO	Disc	Notes			
WA1513	18	N-N (33,34,44)	15	A				
WA1514	18	TNC-TNC (55,56,66)	15	A				
WA1516	6	N-7/16 DIN (37,38,47,48)	15	A				
WA1517	6	BNC-BNC (11,12,22)	15	A				
WA1548	18	N-SMA (13,14,23,24)	15	A				
WA1550	18	N-TNC (35,36,45,46)	15	A				
WA1551	18	SMA-TNC (15,16,25,26)	15	A				
WA1587	27	SMA-SMA (11,12,22)	15	A				
WA7002	18	N or TNC to BNC	15	A				
WA7003	33	3.5mm-3.5mm (11,12,22)	15	A				
WA7004	40	2.9mm-2.9mm (11,12,22)	15	A				
WA7005	50	2.4mm-2.4mm (11,12,22)	15	A				
WA7006	40	2.9mm-2.4mm (11,12,21,22)	15	A				
WA7007	33	3.5mm-2.4mm(11,12,21,22)	15	A				
WA7008	18	N-3.5mm (13,14,23,24)	15	A				
WA7009	18	N-2.92mm (13,14,23,24)	15	A				
WA7010	27	SMA-2.92mm (11,12,21,22)	15	A				
WA7012	18	N-2.4mm (13,14,23,24)	15	A				
WA7013	27	SMA-2.4mm (11,12,21,22)	15	A				
WA7014	33	2.92mm-3.5mm (11,12,21,22)	15	A				
WA7015	50	1.85mm-1.85mm (11,12,22)	15	A				
WA7016	18	SMA-SMP (11,12,21,22)	15	A				
WA7017	40	2.92mm-1.85mm (11,12,21,22)	15	A				
WA7018	27	SMA-3.5mm (11,12,21,22)	15	A				
WA7019	27	3.5mm-1.85mm (11,12,21,22)	15	A				

WA Variable Attenuators

A Step Above the Rest.

You'll find what you need, whether continuously variable or digital. Custom solutions also available.



How to order?

When placing an order, please provide the model number, attenuation in decibels(dB) for an attenuator, and the desired connector configuration.

Ex) Attenuator: WA48 – 30 – 43

Model – dB – Connector

Termination : WA1424 - 5

Model -Connector

** Connector code

SMA jack(f) - 1

SMA Plug(m) - 2

N type Jack(f) - 3

N type Plug(m) - 4

TNC Jack(f) - 5

TNC Plug(f) - 6

DIN 7/16 Jack(f) - 7

DIN 7/16 Plug(m) - 8

7mm - 9

- **Connector codes may vary depending on model type as listed on the associated specification sheet.**
- **Unless otherwise specified, all of our products will operate at their full power rating without the need for forced air cooling.**
- **All of our products are dry and achieve their rated power handling without oils or other coolants**

Warranty :

- **Weinschel associates warrants each product it manufactures to be free from defects in material and workmanship Defective product will be repaired or replaced at the discretion of WA at no charge to the customer for a period of two years after shipment to be original purchaser.**
- Additional Charge item

Item
DIN 7/16 Connectors
LIM Option
Test data
890 Cal Option
Stand (pair)
Part Screening (MIL-DTL-3933)
Kit Fee
Calibration test data

Weinschel Associates는 40년 전에 Weinschel박사가 마이크로파 감쇄용으로 , 견고하고 정밀하게 제조할 수 있는 저항 필름을 개발한 이래, Weinschel 제품은 마이크로파와 RF파의 신호조절의 대표적인 부품으로 민수용, 군수용으로 전세계적에서 널리 쓰여지고 있습니다.

또, 현대적인 제조방식을 통해서 유사제품에 비해서 가격도 경쟁력이 있도록 공급되고 있습니다.

카다로그에 수록된 품목 이외에도 고객의 요구조건에 따르는 제품을 설계, 제조하여 공급할 수 있습니다.

제품의 정확도와 세심한 기술을 신뢰할 수 있는 Weinschel의 제품을 문의하시기 바랍니다. 엔지니어들의 R&D 업무에 도움을 드리겠습니다.

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