

Featured Components for Lab Bench Test

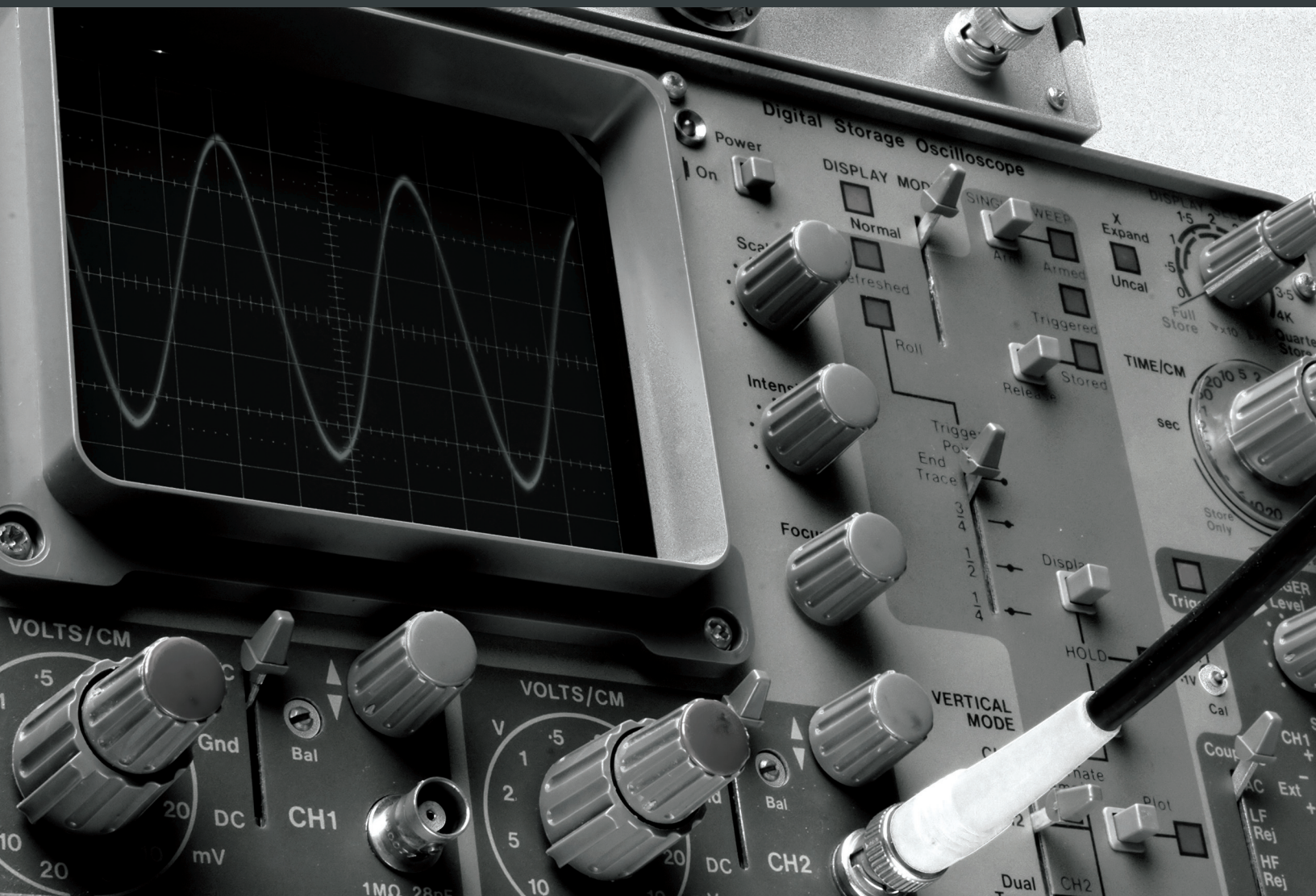


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DC Block

	Connector Type	Maximum Frequency (GHz)	Voltage (V)	Block Type	Supplier
8039	SMA	18	200	Inner/Outer	Aeroflex / Inmet
8055H	SMA	18	200	Inner	Aeroflex / Inmet
8535-DC	SMA	23	100	Inner	Aeroflex / Inmet
WDCB00250A	SMA	25	16	-	Wavelex
8141A	SMA	40	200	Inner	Aeroflex / Inmet
8046	N	18	200	Inner	Aeroflex / Inmet
8060A	2.9mm	26.5	75	Inner	Aeroflex / Inmet
8143A	2.9mm	40	200	Inner/Outer	Aeroflex / Inmet

Between Series Adapter

	Series 1	Gender Series 1	Series 2	Gender Series 2	Supplier
37BMA-SMA-50-1	BMA	Female	SMA	Female	HUBER+SUHNER
33MCX-SMA-50-1E	MCX	Male	SMA	Female	HUBER+SUHNER
33MMBX-SMA-50-1	MMBX	Male	SMA	Female	HUBER+SUHNER
4584-2242-02	OSP	Female	OSM	Female	TE Connectivity
5203	N	Female	SMA	Female	Aeroflex / Inmet
5212	N	Female	SMA	Female	Aeroflex / Inmet
5309	N	Female	SMA	Female	Aeroflex / Inmet
31N-SMA-50-1/-E	N	Female	SMA	Female	HUBER+SUHNER
37N-SMA-50-1/-E	N	Female	SMA	Female	HUBER+SUHNER
R191332000	N	Female	SMA	Female	Radiall
R191381000	N	Female	SMA	Female	Radiall
1515505	N	Female	TNC	Male	Bomar Interconnect
33N-BNC-50-1	N	Male	BNC	Female	HUBER+SUHNER
5108	N	Male	SMA	Female	Aeroflex / Inmet
33N-SMA-50-1/UE	N	Male	SMA	Female	HUBER+SUHNER
R191329000	N	Male	SMA	Female	Radiall
32N-SMA-50-1/-E	N	Male	SMA	Male	HUBER+SUHNER
33N-TNC-50-1/3E	N	Male	TNC	Female	HUBER+SUHNER
APH-SMAJ-MCXP	SMA	Female	MCX	Male	Amphenol RF
134-1019-171	SMA	Female	MMCX	Female	Emerson
APH-SMAJ-NJ	SMA	Female	N	Female	Amphenol RF
R191315000	SMA	Female	TNC	Female	Radiall
R191313000	SMA	Female	TNC	Male	Radiall
RSA-3458	SMA	Male	BNC	Female	RF Industries
RSA-3459	SMA	Male	BNC	Male	RF Industries
APH-SMAP-NJ	SMA	Male	N	Female	Amphenol RF
RSA-3452	SMA	Male	N	Female	RF Industries
P917-2CCSF	SMP	Male	SMA	Female	Carlisle
33TNC-N-50-1/3E	TNC	Male	N	Female	HUBER+SUHNER
5152	2.4mm	Female	2.9mm	Male	Aeroflex / Inmet
5066-I	2.4mm	Male	3.5mm	Female	Aeroflex / Inmet
5260	2.9mm	Female	1.85mm	Male	Aeroflex / Inmet

Dust Cap

	Type	Gender	With/Without Chain	Supplier
31-6-RFX	BNC	Male	With Chain	Amphenol RF
61N-0-0-1	N	Female	With Chain	HUBER+SUHNER
62N-0-0-1	N	Male	With Chain	HUBER+SUHNER
62TNC-0-0-1	TNC	Male	With Chain	HUBER+SUHNER

This application sheet features a representative sample of our product lines. Please visit richardsonrfpd.com to explore our complete portfolio of components for lab bench.

In Series Adapter

	Series	Gender Combination	Supplier
31-219-RFX	BNC	Jack/Jack	Amphenol RF
31-218-RFX	BNC	Plug/Plug	Amphenol RF
32MMBX-50-0-1/1	MMBX	Male-Male	HUBER+SUHNER
R223703000	MMBX	Male-Male	Radiall
31N-50-0-2	N	Female-Female	HUBER+SUHNER
34N-50-0-1/3E	N	Female-Female	HUBER+SUHNER
37N-50-0-1	N	Female-Female	HUBER+SUHNER
SDT323-323-04	N	Jack/Jack	SDT Technology
SDT313-313-3	N	Plug/Plug	SDT Technology
5010	SMA	Female-Female	Aeroflex / Inmet
5313A	SMA	Female-Female	Aeroflex / Inmet
142-0901-801	SMA	Female-Female	Emerson Connectivity Solutions
142-0901-401	SMA	Female-Female	Emerson Connectivity Solutions
142-0901-921	SMA	Female-Female	Emerson Connectivity Solutions
31SMA-50-0-1/1	SMA	Female-Female	HUBER+SUHNER
R125720001	SMA	Female-Female	Radiall
SDT220-220-01	SMA	Female-Female	SDT Technology
2084-1100-00	SMA	Female-Female	TE Connectivity
2084-0000-02	SMA	Female-Female	TE Connectivity
SDT22553-3	SMA	Jack/Jack	SDT Technology
5030	SMA	Male-Female	Aeroflex / Inmet
5490	SMA	Male-Female	Carlisle Interconnect Technologies
5490CC	SMA	Male-Female	Carlisle Interconnect Technologies
5490SF	SMA	Male-Female	Carlisle Interconnect Technologies
SDT20551-0	SMA	Male-Female	SDT Technology
5020-I	SMA	Male-Male	Aeroflex / Inmet
5390CC	SMA	Male-Male	Carlisle Interconnect Technologies
142-0901-811	SMA	Male-Male	Emerson Connectivity Solutions
32SMA-50-0-1/1E	SMA	Male-Male	HUBER+SUHNER
SDT21552-0	SMA	Plug/Plug	SDT Technology
221CCSF	SMK 2.9mm	Male-Female	Carlisle Interconnect Technologies
P650-1CC	SMP	Female-Female	Carlisle Interconnect Technologies
R222705230	SMP	Female-Female	Radiall
5148	2.4mm	Female-Female	Aeroflex / Inmet
5149	2.4mm	Male-Male	Aeroflex / Inmet
5170	2.9mm	Female-Female	Aeroflex / Inmet
5171	2.9mm	Male-Male	Aeroflex / Inmet
33PC35-50-0-1/E	3.5mm	Male-Female	HUBER+SUHNER
RFD-1652-2	7/16	Male-Female	RF Industries

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Interconnect Kit

	Supplier
ADPT2	Bomar Interconnect
ADPT3PA	Bomar Interconnect
142-0000-005	Emerson Connectivity Solutions
RFA-4024	RF Industries
RFA-4024-WIFI	RF Industries

Interconnect Tool

	Supplier
127-0000-901	Emerson Connectivity Solutions
74Z-0-0-21	HUBER+SUHNER
74Z-0-0-79	HUBER+SUHNER
R282211000	Radiall

Power Amplifier System Accessories

	Supplier
KIT-EMPOWER1KW	Richardson RFPD

Power Amplifiers

	Frequency Range (MHz)	P1dB (dBm)	Gain (dB)	Supply Voltage (V)	Supplier
2126/BBS2E3KUT	20-500	+57	63	180-260	Empower RF Systems, Inc.
1094/BBM2E3KKO	20-520	+47.8	50	28	Empower RF Systems, Inc.
1100/BBM2E4AJP	20-1000	+47	49	28	Empower RF Systems, Inc.
1166/BBM2E4ANC	20-1000	+51.8	26	28	Empower RF Systems, Inc.
2162/BBS2E4AUT	20-1000	+57	63	180-260	Empower RF Systems, Inc.
2066/BBS3K4AUT	500-1000	+57	63	180-260	Empower RF Systems, Inc.
1119/BBM3K5KHM	500-2500	+43	46	28	Empower RF Systems, Inc.
1189/BBM3K5KKO	500-2500	+47	50	28	Empower RF Systems, Inc.
WPA08-35B	820-890	+43.5	34.5	26-30	Wavelex
WPA08-53A	820-890	+43.5	53.5	26-30	Wavelex
WPA0810A	820-960	+43.3	53	26-30	Wavelex
WPA09-53A	925-960	+43	53	26-30	Wavelex
WPA09-35B	925-960	+43.5	35	26-30	Wavelex
RPAM1220G02	1200-2000	+33	35	12	Richardson RFPD
RPAM1230G01	1200-3000	+30	33	12	Richardson RFPD
WPA18-45A	1805-1880	-	45	26-30	Wavelex
WPA19-43A	1930-1990	-	43	26-30	Wavelex
WPA21-41A	2110-2170	-	41.5	26-30	Wavelex
1131/BBM5K8CGM	2500-6000	+40	46	28	Empower RF Systems, Inc.
1191/BBM5K8CKT	2500-6000	-	60	28	Empower RF Systems, Inc.

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RF Test Cable Assemblies

	Connector 1	Connector 2	Gender Combination	Length (in)	Maximum Frequency (GHz)	VSWR (Maximum)	Supplier
ST-18NMNM36	N	N	Male - Male	36	18	1.2:1	HUBER+SUHNER
R288940007	N	N	Male - Male	36	18	1.25:1	Radiall
WHU18-1818-36	N	N	Male - Male	36	18	1.3:1	Carlisle
ST-18NMNM48	N	N	Male - Male	48	18	1.2:1	HUBER+SUHNER
R288940008	N	N	Male - Male	48	18	1.25:1	Radiall
WHU18-1818-48	N	N	Male - Male	48	18	1.3:1	Carlisle
R288940009	N	N	Male - Male	72	18	1.25:1	Radiall
ST-18SMAMNM36	SMA	N	Male - Male	36	18	1.2:1	HUBER+SUHNER
R288940004	SMA	N	Male - Male	36	18	1.25:1	Radiall
ST-18SMAMNM48	SMA	N	Male - Male	48	18	1.2:1	HUBER+SUHNER
R288940005	SMA	N	Male - Male	48	18	1.25:1	Radiall
R288940006	SMA	N	Male - Male	72	18	1.25:1	Radiall
ST-18SMAMSMAM24	SMA	SMA	Male - Male	24	18	1.2:1	HUBER+SUHNER
R288940034	SMA	SMA	Male - Male	24	18	1.2:1	Radiall
WHU18-3636-24	SMA	SMA	Male - Male	24	18	1.3:1	Carlisle
ST-18SMAMSMAM36	SMA	SMA	Male - Male	36	18	1.2:1	HUBER+SUHNER
R288940001	SMA	SMA	Male - Male	36	18	1.2:1	Radiall
WHU18-3636-36	SMA	SMA	Male - Male	36	18	1.3:1	Carlisle
OSR01R01036.0	SMA	SMA	Male - Male	36	18	1.35:1	Gore
OUR01R01036.0	SMA	SMA	Male - Male	36	18	1.35:1	Gore
ST-18SMAMSMAM48	SMA	SMA	Male - Male	48	18	1.2:1	HUBER+SUHNER
R288940002	SMA	SMA	Male - Male	48	18	1.2:1	Radiall
OZOCJOCJ036.0	2.4mm	2.4mm	Male - Male	36	50	1.43:1	Gore
2001441440914TF	2.4mm	2.4mm	Male - Male	36	50	1.43:1	Radiall
2001441441219TF	2.4mm	2.4mm	Male - Male	48	50	1.43:1	Radiall
2001451450914TF	2.4mm	2.4mm	Male - Female	36	50	1.43:1	Radiall
2001451451219TF	2.4mm	2.4mm	Male - Female	48	50	1.43:1	Radiall
WHU18-3636-48	SMA	SMA	Male - Male	48	18	1.3:1	Carlisle
OUR01R01048.0	SMA	SMA	Male - Male	48	18	1.35:1	Gore
R288940003	SMA	SMA	Male - Male	72	18	1.2:1	Radiall
1800920920610PJ	2.92mm	2.92mm	Male - Male	24	40	1.27:1	Radiall
1800920920914PJ	2.92mm	2.92mm	Male - Male	36	40	1.27:1	Radiall
ODOCQOCQ036.0	2.92mm	2.92mm	Male - Male	36	40	1.35:1	Gore
1800920921219PJ	2.92mm	2.92mm	Male - Male	48	40	1.27:1	Radiall
ODOCQOCQ060.0	2.92mm	2.92mm	Male - Male	60	40	1.35:1	Gore
1800920921829PJ	2.92mm	2.92mm	Male - Male	72	40	1.27:1	Radiall
OTD01D02060.0	3.5mm	3.5mm	Male - Female	60	26.5	1.5:1	Gore
1801171170610KE	3.5mm	3.5mm	Male - Male	24	26.5	1.27:1	Radiall
1801171170914KE	3.5mm	3.5mm	Male - Male	36	26.5	1.27:1	Radiall
1801171171219KE	3.5mm	3.5mm	Male - Male	48	26.5	1.27:1	Radiall
OTD01D01036.0	3.5mm	3.5mm	Male - Male	36	26.5	1.45:1	Gore
OTD01D01048.0	3.5mm	3.5mm	Male - Male	48	26.5	1.5:1	Gore
FB0HA0AH025.0	3.5mm RUGGED	N PRECISION	Female - Male	25	18	1.29:1	Gore
FB0HA0HB038.0	3.5mm RUGGED	3.5mm RUGGED	Female - Male	38	26.5	1.45:1	Gore
FB0HA0HC025.0	3.5mm RUGGED	3.5mm	Female - Female	25	26.5	1.45:1	Gore

Bias T

	Frequency Range (MHz)	Insertion Loss (dB)	Isolation (dB)	Power (dBm)	VSWR	Current (mA)	Voltage (V)	Supplier
WBT000120A	20-13800	0.3	40	+33	1.22:1	220	50	Wavelex
WBT000200A	20-20000	0.5	40	+33	1.22:1	220	16	Wavelex

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RF Coaxial Termination

	Series	Gender	Power (W)	Maximum Frequency (GHz)	Impedance (Ω)	Supplier
R404760000	N	Male	30	6	50	Radiall
133-3801-801	MCX	Male	0.5	6	50	Emerson Connectivity Solutions
142-0801-861	SMA	Male	0.5	2	50	Emerson Connectivity Solutions
8018-6173	SMA	Male	0.5	18	50	SV Microwave
TS398M	SMA	Male	1	6	50	Aeroflex / Inmet
3016B	SMA	Male	1	18	50	Aeroflex / Inmet
TS180M	SMA	Male	1	18	50	Aeroflex / Inmet
65SMA-50-0-1/1E	SMA	Male	1	18	50	HUBER+SUHNER
R404212000	SMA	Male	1	18	50	Radiall
3004M	SMA	Male	2	18	50	Aeroflex / Inmet
R404754000	SMA	Male	30	6	50	Radiall
7008-I	SMA	Male	-	18	-	Aeroflex / Inmet
P918-1CC	SMP	Female	-	-	50	Carlisle
TS400M	2.9mm	Male	0.5	40	50	Aeroflex / Inmet
TS400MC	2.9mm	Male	0.5	40	50	Aeroflex / Inmet

Attenuators - Fixed Coaxial

	Type	Attenuation (dB)	Power (W)	Maximum Frequency (GHz)	Supplier
141-3901-801	SMA	1	2	6	Emerson Connectivity Solutions
141-3901-802	SMA	2	2	6	Emerson Connectivity Solutions
141-3901-803	SMA	3	2	6	Emerson Connectivity Solutions
18A-03	SMA	3	2	18	Aeroflex / Inmet
18AH-03	SMA	3	2	18	Aeroflex / Inmet
9079-50/75	SMA	5.7	2	3	Aeroflex / Inmet
141-3901-806	SMA	6	2	6	Emerson Connectivity Solutions
18A-06	SMA	6	2	18	Aeroflex / Inmet
18A-10	SMA	10	2	18	Aeroflex / Inmet
18AH-10	SMA	10	2	18	Aeroflex / Inmet
18A-20	SMA	20	2	18	Aeroflex / Inmet
18AH-20	SMA	20	2	18	Aeroflex / Inmet
WAT06E-1	SMA	30	20	6	Wavelex
SF0929-6200-06	Subminiature SMA	6	2	18	SV Microwave
40A-03	2.9mm	3	2	40	Aeroflex / Inmet
40A-06	2.9mm	6	2	40	Aeroflex / Inmet
40A-10	2.9mm	10	2	40	Aeroflex / Inmet

Capacitor Hardware

	Supplier
4192	Johanson Manufacturing
4193	Johanson Manufacturing
4194	Johanson Manufacturing
8762	Johanson Manufacturing
8764	Johanson Manufacturing
8766	Johanson Manufacturing
8777	Johanson Manufacturing

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N-Way Divider/Combiner

	Frequency Range (GHz)	Divide by	Isolation (dB)	Insertion Loss (dB)	VSWR	Amplitude Balance (dB)	Phase Balance (°)	Supplier
40263	0.25-0.5	2	20	0.3	1.2:1	±0.4	2	Anaren
42000	0.5-2	2	20	0.5	1.2:1	±0.4	2	Anaren
43000	0.5-2	3	16	0.5	1.5:1	±0.2	3	Anaren
44000	0.5-2	4	20	1	1.3:1	±0.6	6	Anaren
40275	1-2	4	20	0.6	1.35:1	±0.6	6	Anaren
WPD1040A	1-4	2	18	0.5	1.22:1	±0.2	1	Wavelex
42010	1-4	2	18	0.5	1.25:1	±0.4	3	Anaren
44010	1-4	4	18	1	1.35:1	±0.6	6	Anaren
40266	2-4	2	20	0.3	1.3:1	±0.4	6	Anaren
40276	2-4	4	18	0.6	1.35:1	±0.6	6	Anaren
4A0286	2-4	8	18	1	1.4:1	±0.8	10	Anaren
43020	2-6	3	17	0.5	1.5:1	±0.3	6	Anaren
42020	2-8	2	18	0.7	1.33:1	±0.4	6	Anaren
44020	2-8	4	16	1.2	1.45:1	±0.6	6	Anaren
41130	2-18	2	15	1.2	2.0:1	±0.8	12	Anaren
42100	2-18	2	15	1.5	1.58:1	±0.8	8	Anaren
44100	2-18	4	13	2.7	1.92:1	±0.8	14	Anaren
41730	2-18	8	10	4	2.5:1	±1.5	20	Anaren
40267	4-8	2	18	0.7	1.6:1	±0.4	6	Anaren
42030	4-12	2	18	0.6	1.4:1	±0.4	8	Anaren
42040	6-18	2	17	1.2	1.79:1	±0.5	10	Anaren
43040	6-18	3	12	1	1.5:1	±0.6	9	Anaren
40278	8-12.4	4	16	1.2	1.85:1	±0.8	12	Anaren

Directional Couplers

	Frequency Range (MHz)	Power (W)	Coupling (dB)	Directivity (dB)	Insertion Loss (dB)	Return Loss (dB)	Footprint (in)	Supplier
10013-10	250-500	50	10	20	0.4	23.13	6.0 × 1.2	Anaren
10870-10	500-2000	50	10	22	0.5	19.08	4.0 × 1.2	Anaren
1C0870-20	500-4000	100	20	20	0.5	17.69	4.9 × 1.4	Anaren
10615-10	1000-2000	50	10	20	0.35	20.83	2.5 × 1.0	Anaren
10615-20	1000-2000	100	20	20	0.35	20.83	2.5 × 1.0	Anaren
10616-6	2000-4000	20	6	18	0.45	19.08	2.44 × 1.25	Anaren
10616-30	2000-4000	100	30	15	0.45	19.08	2.44 × 1.25	Anaren
1G0617-10	4000-8000	5	10	17	0.5	16.54	1.3 × 0.9	Anaren
1G0617-20	4000-8000	100	20	18	0.5	16.54	1.3 × 0.9	Anaren
1G0618-10	8000-12400	50	10	15	0.6	14.72	1.3 × 0.9	Anaren
1G0618-20	8000-12400	100	20	15	0.6	14.72	1.3 × 0.9	Anaren

Balun Transformer Kit

	Supplier
XINGER-KIT-3A	Anaren

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Resistor Kit

	Package Style	Inductance Range (nH)
DK0041	Chip	American Technical Ceramics Corp. (ATC)
DK0040	Surface Mount	American Technical Ceramics Corp. (ATC)

Inductor Kit

	Case Size	Inductance Range (nH)	Supplier
DK0051	0402	1-56	American Technical Ceramics Corp. (ATC)
DK0052	0603	1.6-390	American Technical Ceramics Corp. (ATC)
DK0053	0805	2.8-2700	American Technical Ceramics Corp. (ATC)
DK0054	1008	10-15000	American Technical Ceramics Corp. (ATC)
JMC-SMT-COILKIT	-	30-133	Johanson Manufacturing

Hybrid Couplers

	Frequency Range (MHz)	Power (W)	Isolation (dB)	Insertion Loss (dB)	Return Loss (dB)	Phase (Degrees)	Footprint (in)	Supplier
10540-3	30-80	800	20	0.5	20.83	90	2.2 × 3.75	Anaren
10011-3	60-130	100	21	0.35	19.08	90	3.0 × 1.75	Anaren
10012-3	125-250	100	30	0.3	19.08	90	3.0 × 2.25	Anaren
10010-3	230-400	250	23	0.3	20.83	90	1.65 × 1.62	Anaren
10013-3	250-500	200	23	0.3	20.83	90	1.65 × 1.62	Anaren
10023-3	250-1000	200	20	0.5	17.69	90	4.0 × 2.25	Anaren
30054	500-1000	200	20	0.6	19.08	180	3.0 × 2.25	Anaren
10014-3	500-1000	200	22	0.3	20.08	90	1.65 × 1.62	Anaren
1A0024-3	500-2000	100	17	0.6	14.72	90	4.0 × 2.25	Anaren
1B0024-3	500-3000	100	16	1.2	12.21	90	6.0 × 1.35	Anaren
WHC0727A	700-2700	10	20	0.5	20.08	90	1.65 × 1.1 × 0.54	Wavelex
1B0680-3	950-1230	200	20	0.3	19.08	90	1.25 × 1.25	Anaren
30055	1000-2000	150	18	0.6	16.54	180	3.0 × 2.25	Anaren
3A0055	1000-2000	150	20	0.6	16.54	180	3.4 × 2.1	Anaren
10015-3	1000-2000	150	22	0.3	18.49	90	1.65 × 1.62	Anaren
10025-3	1000-4000	100	15	0.5	13.98	90	3.0 × 2.25	Anaren
3A0200	1300-2600	100	20	0.6	15.56	180	3.4 × 2.1	Anaren
1J0560-3	1300-2600	100	23	0.3	19.08	90	1.61 × 0.58	Anaren
10040-3	1400-2800	100	20	0.3	19.08	90	1.25 × 1.25	Anaren
WHC2040A	2000-4000	10	18	0.5	20.08	90	1.65 × 0.93 × 1.1	Wavelex
3A0056	2000-4000	60	19	0.65	13.32	180	3.0 × 2.25	Anaren
30056	2000-4000	100	15	0.65	12.74	180	1.65 × 1.62	Anaren
10016-3	2000-4000	100	20	0.3	17.69	90	1.25 × 1.25	Anaren
1H0566-3	2000-4000	100	23	0.3	19.08	90	1.61 × 0.58	Anaren
30057	4000-8000	80	15	0.8	10.16	180	1.25 × 1.25	Anaren
10017-3	4000-8000	80	21	0.6	16.54	90	1.25 × 1.25	Anaren
10018-3	8000-12400	70	16	0.6	13.98	90	1.25 × 1.25	Anaren
30070	6000-18000	60	15	2.2	10.16	180	2.2 × 1.925	Anaren

This application sheet features a representative sample of our product lines.
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RF/Microwave Capacitor Kit

	Series	Capacitance Range (pF)	Dielectric	Kit Style	Supplier
DK0001T	ATC100A	0.1-2	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0001T	ATC100A	0.1-100	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0002T	ATC100A	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0003T	ATC100A	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0002	ATC100B	0.1-10	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0008T	ATC100B	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0009T	ATC100B	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0003	ATC100B	10-1000	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0010T	ATC100B	100-1000	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0073T	ATC400L	0.1-1	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0074T	ATC400L	0.8-8.2	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0075T	ATC400L	10-68	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0076T	ATC400S	0.1-0.9	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0077T	ATC400S	1-5.6	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0078T	ATC400S	10-68	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0070T	ATC400Z	0.1-1.8	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0071T	ATC400Z	1-2.5	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0072T	ATC400Z	2-12	Silicon Dioxide and Silicon Oxynitride	Designer	American Technical Ceramics Corp. (ATC)
DK0015	ATC500S	0.1-2	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0016	ATC500S	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0032T	ATC600F	0.1-2	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0007T	ATC600F	0.1-2	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0033T	ATC600F	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0008T	ATC600F	1-10	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0034T	ATC600F	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0009T	ATC600F	10-240	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0035T	ATC600F	100-240	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0036T	ATC600L	0.1-2	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0037T	ATC600L	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0038T	ATC600L	10-27	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0025T	ATC600S	0.1-2	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0004T	ATC600S	0.1-2	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0026T	ATC600S	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0005T	ATC600S	1-10	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0027T	ATC600S	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
TS0006T	ATC600S	10-100	Ceramic	Tuning Stick	American Technical Ceramics Corp. (ATC)
DK0004T	ATC700A	0.1-2	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0006T	ATC700A	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0007T	ATC700A	100-1000	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0012T	ATC700B	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0013T	ATC700B	100-1000	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0014	ATC700B	1000-5100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0080T	ATC800A	0.1-2	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0081T	ATC800A	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0082T	ATC800A	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0083T	ATC800B	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0084T	ATC800B	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0085T	ATC800B	100-1000	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0086T	ATC800R	1-10	Ceramic	Designer	American Technical Ceramics Corp. (ATC)
DK0087T	ATC800R	10-100	Ceramic	Designer	American Technical Ceramics Corp. (ATC)

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Passive Components Design Kit

	Supplier
RES-KIT-1A	Anaren
XINGER-KIT-1A	Anaren
XINGER-KIT-2A	Anaren

EMI Kit

	Supplier
SMT-SAMPLEKIT	Gore

RF Coaxial Switch

	Frequency (GHz)	Configuration	Type	Insertion Loss (dB)	Isolation (dB)	Supplier
R570332100	3	SPDT	Latching	0.2	80	Radiall
CCS-47N10	12	Transfer	Failsafe	0.5	60	Teledyne Coax
R577412100	18	DPDT	Failsafe	0.5	60	Radiall
CCR-33S80	18	SPDT	Latching	0.2	70	Teledyne Coax

Low Noise Amplifiers

	Frequency Range (MHz)	P1dB (dBm)	Input IP3 (dBm)	Noise Figure (dB)	Gain (dB)	Supply Voltage (V)	Supplier
WLA0210N	0.2-1000	+17	+13	0.7	20	12	Wavelex
WBA0030-30B	1-3000	+14	-3	1.2	29	7-25	WanTcom
WBA0010-45A	10-1000	+20	-10	0.6	45	5	WanTcom
WLA0030N	20-3000	+12	+10	1.3	15	12	Wavelex
WBA0105-45R	150-550	+18	-9	0.5	44	15	WanTcom
WLA0545A	500-4000	+12	0	1.2	25	12	Wavelex
WLA1116A	1100-1650	+7	-15	0.5	32	12	Wavelex
WZA303N	1200-1600	+5	-14	0.5	32	12	WanTcom

Switch

	Frequency Range (MHz)	Configuration	Insertion Loss (dB)	Isolation (dB)	Max Input Power (dBm)	Supplier
WSW10180A	1000-20000	SPDT	1.5	35	+30	Wavelex

Tee Adapter

	Series	Gender Combination	Supplier
112461	BNC	Female-Male-Female	Amphenol Connex
31-208-RFX	BNC	Jack/Plug/Jack	Amphenol RF
RSA-3401	SMA	Female-Female-Female	RF Industries
SDT210-220220-1	SMA	Female-Female-Male	SDT Technology
SDT220-220220-1	SMA	Jack/Jack/Jack	SDT Technology
RSA-3400	SMA	Male-Female-Female	RF Industries
SDT210-210220-1	SMA	Male-Male-Female	SDT Technology
SDT210-210210-1	SMA	Plug/Plug/Plug	SDT Technology

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