



**Ultra-Broadband High Performance
Components and Test Equipment
DC - 67 GHz**



Directional Couplers

Dual Directional Couplers

3 dB 90 Degree Hybrid Couplers

3 dB 180 Degree Hybrid Couplers

MLDD Power Dividers

Coaxial Terminations

Coaxial Adaptors

Power Meter & Power Sensors

Planar Doped Barrier Detectors

Zero Bias Schottky Detectors

Planar Tunnel Diode Detectors

Threshold Detectors

Directional Detectors

Pin-Schottky Limiters

Pin-Pin Limiters



KRYTAR®
www.krytar.com

SINCE 1975

Up to 18 GHz



Directional Couplers

Directional Detectors

Frequency Range (GHz)	Model	Nominal Coupling (dB)	Frequency Sensitivity (dB)	Model	Low Level Sensitivity ($\mu\text{V}/\mu\text{W}$)	Frequency Sensitivity (dB)	Insertion Loss (dB Max)	Directivity (dB Min)	Max VSWR
1 - 4	101004006	6 ± 0.5	± 0.50				1.30	20	1.20
	101004010	10 ± 0.8					1.00		
	101004020	20 ± 0.5					0.80		
0.4 - 4	100404010	10 ± 0.5	± 0.50				1.10	16	1.20
	100404020	20 ± 0.8					0.75	20	
2 - 8	102008006	6 ± 0.5	± 0.25	202008006	100	± 0.30	1.60	20	1.20
	102008010	10 ± 0.5		202008010	40		0.75		
	102008020	20 ± 1.0		202008020	4		0.35		
0.5 - 8	158006	6 ± 1.1	± 0.60	158006S	100	± 0.80	1.70	15	1.35
	158010	10 ± 1.0		158010S	40		1.30		
	158016	16 ± 1.0		158016S	10	± 0.60	0.85		
	158020	20 ± 1.0		158020S	4		0.80		
0.3 - 8	100308010	10 ± 1.0	± 1.20				1.30	20	1.18
	100308016	16 ± 1.2	± 1.00				1.00		1.15
	100308030	30 ± 0.7	± 1.20				0.85		
2 - 8.6	102008616	16 ± 1.0	± 0.25				0.50	20	1.30
7 - 12.4	120706	06 ± 0.5	± 0.30				1.80	15	1.35
	120710	10 ± 0.5		120710S	40	± 0.40	0.90		
	120720	20 ± 1.0		120720S	4		0.50		
	120730	30 ± 1.0					0.50		
4 - 12.4	120406	06 ± 0.5	± 0.30				1.80	15	1.35
	120410	10 ± 0.5		120410S	40	± 0.40	0.90		
	120420	20 ± 1.0		120420S	4		0.50		
	120430	30 ± 1.0					0.50		
1 - 12.4	1211	10 ± 0.5	± 0.30	1211S	40	± 0.40	1.10	15	1.35
0.3 - 12.4	100312410	10 ± 1.0	± 1.20				1.35	15	1.35
	100312416	16 ± 1.2	± 1.00				1.20		1.30
	100312430	30 ± 0.7	± 1.20				1.00		1.35
12.4 - 18	181206	06 ± 0.5	± 0.30				1.90	15	1.35
	181210	10 ± 0.5		181210S	40	± 0.40	1.00		
	181220	20 ± 1.0		181220S	4		0.60		
	181230	30 ± 1.0	± 0.70						
2 - 18	1815	6 ± 1.0	± 0.35	1815S	100	± 0.70	1.90	16	1.30
	1822	10 ± 0.5		1822S	40		1.10		
	1818	16 ± 0.5		1818S	10		0.75		
	1824	20 ± 1.0		1824S	4		0.70		
1 - 18	1821	10 ± 0.5	± 0.30 , 1-12.4 GHz ± 0.40 , 1-18 GHz	1821S	40	± 0.70	1.30	16	1.35
	1820	16 ± 0.5		1820S	10		0.90		
	180120	20 ± 1.0					0.95		
0.3 - 18	100318010	10 ± 1.0	± 1.20				1.60	12	1.40
	100318030	30 ± 0.7					1.40		





Directional Couplers

Directional Detectors

Frequency Range (GHz)	Model	Nominal Coupling (dB)	Frequency Sensitivity (dB)		Model	Low Level Sensitivity (μV/μW)	Frequency Sensitivity (dB)	Insertion Loss (dB Max)	Directivity (dB Min)	Max VSWR
0.5 - 18.5	1851	10 ± 1.0	± 0.70		1851S	40	± 1.00	1.50	12	1.35
	1850	16 ± 1.0		1850S	10	1.10				
4 - 20	104020006	6 ± 0.5	± 0.30		204020006	100	± 0.60	1.90	15	1.35
	104020010	10 ± 0.5		204020010	40	1.00				
	104020020	20 ± 1.0		204020020	4	0.60				
	104020030	30 ± 1.0	± 0.70				0.60			
2 - 20	102020006	06 ± 1.0	± 0.35					1.90	16	1.35
	102020010	10 ± 0.5	± 0.30	202020010	40	± 0.60	1.30			
	102020016	16 ± 0.5		202020016	10		1.00			
	102020020	20 ± 1.0		202020020	4		0.90			
1.7- 20	2618	16 ± 1.0	± 0.40, 1.7-18 GHz ± 0.55, 1.7-20 GHz		2618S	10	± 0.70, 1.7-18 GHz ± 0.90, 18-20 GHz	0.80, 1.7-18 GHz 1.00, 18-20 GHz	15, 1.7-18 GHz 13, 18-20 GHz	1.35, 1.7-18 GHz 1.45, 18-20 GHz
1 - 20	101020010	10 ± 0.5	± 0.35		201020010	40	± 0.70	1.40	16	1.35
	101020016	16 ± 0.5		201020016	10	1.10				
	101020020	20 ± 1.0		201020020	4	1.00				
0.5 - 20	152010	10 ± 1.0	± 0.80		152010S	40	± 0.80	1.65	15	1.35
	152013	13 ± 1.0		152013S	20	1.40				
18 - 26.5	262206	6 ± 1.0	± 0.30					1.60	13	1.40
	262210	10 ± 0.5		262210S	40	± 0.40	1.30	14		
	262220	20 ± 1.0		262220S	4		0.80			
	262230	30 ± 1.0	± 0.35							
6 - 26.5	106026506	06 ± 1.0	± 0.50					1.60	14	1.45
	106026510	10 ± 0.5	± 0.30	206026510	40	± 0.80	1.30	13	1.40	
	106026520	20 ± 1.0		206026520	4		0.80	14		
	106026530	30 ± 1.0	± 0.50	206026530	0.40	± 1.00	0.70		1.45	
1.7 - 26.5	2611	10 ± 1.0	± 0.60		2611S	40	± 1.20	1.50	14	1.45
	2616	16 ± 1.0		2616S	10	1.20				
1 - 26.5	2606	6 ± 1.0	± 0.50					1.60	13	1.50
	2610	10 ± 1.0		2610S	40	± 1.00		14	1.40	
	2620	20 ± 1.0		2620S	4		1.20			
0.5 - 26.5	152610	10 ± 1.0	± 1.00					1.50	13	1.45
	152613	13 ± 1.0		152613S	20	± 1.30				
	152616	16 ± 1.0	± 1.20				1.40			
	152620	20 ± 1.0	± 1.50				1.35			





Directional Couplers

Directional Detectors

Frequency Range (GHz)	Model	Nominal Coupling (dB)	Frequency Sensitivity (dB)	Model	Low Level Sensitivity ($\mu\text{V}/\mu\text{W}$)	Frequency Sensitivity (dB)	Insertion Loss (dB Max)	Directivity (dB Min)	Max VSWR
26.5 - 40	264006	6 ± 0.7	± 0.65				2.40	10	1.80
	264010	10 ± 0.7	± 0.40	264010S	40	± 0.50	1.70	12	1.70
	264020	20 ± 1.0		264020S	4		1.30		
18 - 40	184010	10 ± 0.7	± 0.40	184010S	40	± 0.50	1.70	12	1.70
	184020	20 ± 1.0		184020S	4		1.30		
10 - 40	110040010	10 ± 0.7	± 0.40	210040010	40	± 0.90	1.70	10	1.70
	110040010K			210040010K					
	110040020	20 ± 1.0		210040020	4		1.30		
2 - 40	102040010	10 ± 1.0	$\pm 0.40, 2-20\text{GHz}$ $\pm 0.70, 2-40\text{GHz}$				1.20, 2-20GHz 1.80, 20-40GHz	11	1.70
	102040010K								
	102040013	13 ± 1.0		202040013	20	± 1.40	1.00, 2-20GHz 1.70, 20-40GHz		
	102040013K			202040016	10	$\pm 0.70, 2-20\text{GHz}$ $\pm 1.40, 2-40\text{GHz}$	0.90, 2-20GHz 1.60, 20-40GHz		
	102040016	16 ± 1.0		202040016K			0.80, 2-20GHz 1.50, 20-40GHz		
1 - 40	101040006	6 ± 1.0	± 1.52				2.50, 1-20GHz 3.50, 20-40GHz	10	1.70
	101040006K								
	101040010	10 ± 1.0	± 1.20	201040010	40	± 1.70	2.00		
	101040010K			201040010K					
	101040013	13 ± 1.0		201040013	20		1.80		
10 - 46	110040020	20 ± 1.0					0.85, 1-20GHz 1.50, 20-40GHz		
	110046006	6 ± 0.7	± 0.70				2.40	10	1.80
	110046010	10 ± 0.7	± 0.05				1.90		
	110046020	20 ± 1.0					1.50		
2 - 46	102046013	13 ± 1.0	$\pm 0.60, 2-26.5\text{GHz}$ $\pm 0.80, 2-46\text{GHz}$				1.80	13, 2-26.5GHz 10, 26.5-46GHz	1.50, 2-26.5GHz 1.80, 26.5-46GHz
26.5 - 50	265010	10 ± 0.7	± 0.50				1.90	10	1.80
	265020	20 ± 1.0					1.50		
18 - 50	195010	10 ± 0.7	± 0.50				1.90	10	1.80
	195020	20 ± 1.0					1.50		
10 - 50	110050006	6 ± 0.7	± 0.50				2.40	10	1.80
	110050010	10 ± 0.7					1.90		
	110050020	20 ± 1.0					1.50		
2 - 50	102050010	10 ± 1.0	± 0.80	202050010	40	± 3.30	2.00	10	1.80
	102050013	13 ± 1.0		202050013	20		1.80		
	102050016	16 ± 1.0		202050016	10		1.70		
1 - 50	101050013	13 ± 1.0	± 1.00				1.60, 1-26.5GHz 2.90, 26.5-50GHz	10	1.50, 1-26.5GHz 1.80, 26.5-50GHz
1 - 65	101065013	13 ± 1.5	$\pm 1.00, 1-30\text{GHz}$ $\pm 2.00, 30-65\text{GHz}$				3.5	15, 1-20GHz 10, 20-30GHz 7.2, 30-65GHz	1.20, 1-30GHz 1.90, 30-65GHz
10 - 67	110067016	16 ± 1.1	± 2.00				1.95	7.25	2.00



DUAL DIRECTIONAL COUPLERS



Frequency Range (GHz)	Model	Nominal Coupling (dB)	Frequency Sensitivity (dB)	Insertion Loss (dB Max)	Directivity (dB Min)	Max VSWR
0.5 - 8	500508010	10 ± 1.0	± 0.60	2.30	15	1.35
2 - 18	501822	10 ± 1.0	± 0.50	2.00	15	1.35
	501818	16 ± 1.0		1.40		
4 - 20	504020010	10 ± 1.25	± 0.80	2.00	15	1.40
2 - 20	502020030	30 ± 1.0	± 0.80	1.30	14 to 12.4 GHz 12 to 20 GHz	1.40
1 - 20	501820	10 ± 1.0	± 0.50	2.80	15	1.40
1 - 40	501040010	10 ± 1.5	± 2.00	2.20 to 20 GHz	15	1.50 to 20 GHz
	501040010K			2.80 to 40 GHz		1.80 to 40 GHz

3 dB 90° HYBRID COUPLERS



Frequency Range (GHz)	Model	Amplitude Imbalance (db)	Phase Imbalance (Degrees)	Isolation (dB Min)	Maximum VSWR	Insertion Loss (dB Max)
1 - 4	3010040	± 0.60	± 6	17	1.30	1.00
0.5 - 4.0	3005040	± 0.70	± 5	18	1.35	1.20
0.5 - 7	3005070	± 0.40	± 5	19	1.30	1.30
2 - 8	3020080	± 0.35	± 3	19	1.25	0.65
1 - 12.4	1230	± 0.40	± 7	20	1.30	1.40
2 - 18	1830	± 0.40	± 7	17	1.35	1.40
1.7 - 18	3017180	± 1.50	± 10	15	1.75	3.20
1.4 - 18	3014180	± 1.00	± 10	12	1.70	2.70
1 - 18	1831	± 0.50	± 10	17	1.35	2.00
6 - 20	3060200	± 0.40	± 5	14	1.45	1.00
10 - 26.5	3100265K	± 0.55	± 7	15	1.61	1.30
1.7 - 26.5	3017265	± 1.50	± 10	14	1.85	3.40
1.4 - 26.5	3014265	± 1.20	± 12	12	1.80	3.00
1.4 - 32	3014320	± 1.55	± 12	12	1.90	3.50
5 - 36	3050360K	± 1.50	± 15	11	1.80	2.80
1.7 - 36	3017360K	± 1.70	± 12	12	1.85	4.35

3 dB 180° HYBRID COUPLERS



Frequency Range (GHz)	Model	Amplitude Imbalance (db)	Phase Imbalance (Degrees)	Isolation (dB Min)	Maximum VSWR	Insertion Loss (dB Max)
0.5 - 4.0	4005040	±0.70	±15	14	1.35	2.00
0.5 - 7.0	4005070	±0.60	±10	16	1.40	2.80
2 - 8	4020080	±0.30	±8	18	1.40	1.10
4 - 12.4	4040124	±0.40	±8	17	1.60	0.90
1 - 12.4	4010124	±0.40	±10	17	1.60	2.10
2 - 18	4020180	±0.60	±14	15	1.70	2.00
1 - 18	4010180	±0.60	±12	15	1.70	2.90
6 - 20	4060200	±0.60	±10	15	1.70	1.20
6 - 26.5	4060265	±0.70	±12	14	1.70	1.60
1 - 26.5	4010265	±1.00 to 20 GHz ±1.50 to 26.5 GHz	±16	15	1.80 to 20 GHz 1.95 to 26.5 GHz	3.0 to 20 GHz 3.6 to 26.5 GHz
10 - 40	4100400	±1.00	±12	12	1.80	1.70
	4100400K					

* WILKINSON TYPE

2-WAY POWER DIVIDERS

Frequency Range (GHz)	Model	Band Segments	Maximum VSWR		Insertion Loss (dB)	Isolation (dB)	Amplitude Tracking (dB)	Phase Tracking (Degrees)
			In	Out				
2 - 8	6020080*	2 - 8	1.45		0.8	19.5	0.25	5
2 - 18	6020180	2 - 18	1.45		1.10	19	0.3	6
1 - 18	6010180	1 - 18	1.45		1.20	19	0.3	6
0.5 - 18	6005180	0.5 - 18	1.45		1.50	19	0.3	6
2 - 26.5	6020265	2 - 18	1.45		1.10	19	0.3	6
		18 - 26.5	1.60		1.40	18	0.5	10
1 - 26.5	6010265	1 - 18	1.45		1.20	19	0.3	6
		18 - 26.5	1.60		1.60	21	0.5	10
0.5 - 26.5	6005265	0.5 - 18	1.45		1.50	19	0.3	6
		18 - 26.5	1.60		1.90	19	0.5	10
26.5-40	6265400	26.5-40	1.90		1.90	14.5	0.38	8
	6265400K							
18-40	6180400	18-40	1.90	2.10	2.10	14.0	0.5	8
	6180400K		1.90		1.90	14.5		
10-40	6100400	10-40	1.90	2.10	2.10	14.0	0.5	8
	6100400K		1.90		1.90	14.5		
6-40	6060400	6-40	1.90	2.10	2.10	14.0	0.5	8
	6060400K		1.90		1.90	14.5		
3-40	6030400	3 - 40	1.90	2.10	2.10	14	0.5	8
	6030400K		1.90		1.90	14.5		
1-40	6010400	1-20	1.65	1.50	2.5	14	0.6	7
	6010400K	20-40	1.85	1.70				14
3 - 45	6030450	3 - 36	2.30	1.80	2.10	14	0.5	10
		36 - 45	2.30	2.50	2.80		0.7	14



MLDD 4-WAY POWER DIVIDERS

Frequency Range (GHz)	Model	Maximum Input VSWR	Maximum Output VSWR	Insertion Loss (dB)	Isolation (dB)	Amplitude Tracking (dB)	Phase Tracking (Degrees)
2 - 18	7020180	1.70	1.50	2.00	16	0.6	10
1 - 18	7010180	1.70	1.50	3.00	16	0.8	10
0.5 - 18	7005180	1.70	1.50	4.00	16	1.0	10
2 - 26.5	7020265	1.90	1.70	2.30	16	1.0	15
1 - 26.5	7010265	1.90	1.70	3.30	16	1.0	15
0.5 - 26.5	7005265	1.80	1.70	4.30	16	1.2	15
3 - 40	7030400	1.90 to 32 GHz	1.70 to 32 GHz	3.00 to 32 GHz	13	0.5	11 to 32 GHz
	7030400K	2.50 to 40 GHz	2.0 to 40 GHz	3.60 to 40 GHz			15 to 40 GHz



MLDD 8-WAY POWER DIVIDERS

Frequency Range (GHz)	Model	Maximum Input VSWR	Maximum Output VSWR	Insertion Loss (dB)	Isolation (dB)	Amplitude Tracking (dB)	Phase Tracking (Degrees)
1 - 18	8010180	2.10	1.75	5.5	17	1.0	15
2 - 18	8020180	2.00	1.75	5.5	17	1.0	15



ZERO BIAS SCHOTTKY DETECTORS



Frequency Range	Model	Frequency Response	Maximum VSWR	Input Connector	Output Connector Options
10 MHz - 18.5 GHz	109	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	(A) SMA Female or (B) BNC Female or (S) SMC Jack
10 MHz - 20 GHz	201	± 0.5 dB	1.35	3.5 mm Male	
10 MHz - 26.5 GHz	202	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz	3.5 mm Male	
10 MHz - 40 GHz	203 or 203K	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz ± 1.5 dB to 40 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz 2.00 to 40 GHz	2.4 mm Male or 2.92 mm Male	
100 MHz - 18.5 GHz	209	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	
100 MHz - 20 GHz	301	± 0.5 dB	1.35	3.5 mm Male	
100 MHz - 26.5 GHz	302	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz	3.5 mm Male	
100 MHz - 40 GHz	303 or 303K	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz ± 1.5 dB to 40 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz 2.00 to 40 GHz	2.4 mm Male or 2.92 mm Male	



PLANAR DOPED BARRIER DETECTORS

Frequency Range	Model	Frequency Response	Maximum VSWR	Input Connector	Output Connector Options
10 MHz - 18.5 GHz	110	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	(A) SMA Female or (B) BNC Female or (S) SMC Jack
10 MHz - 20 GHz	601	± 0.3 dB	1.30	3.5 mm Male	
10 MHz - 26.5 GHz	602	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz	3.5 mm Male	
10 MHz - 40 GHz	603 or 603K	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz ± 1.0 dB to 40 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz 1.70 to 40 GHz	2.4 mm Male or 2.92 mm Male	
100 MHz - 18.5 GHz	210	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	
100 MHz - 20 GHz	701	± 0.3 dB	1.30	3.5 mm Male	
100 MHz - 26.5 GHz	702	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz	3.5 mm Male	
100 MHz - 40 GHz	703 or 703K	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz ± 1.0 dB to 40 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz 1.70 to 40 GHz	2.4 mm Male or 2.92 mm Male	





COAXIAL PLANAR TUNNEL DIODE DETECTORS

Model	Frequency (GHz)	Voltage Sensitivity $\mu\text{V} / \mu\text{W}$ Typical	Tss (-dBm) Typ	VSWR (Typical)	Flatness ($\pm\text{dB}$ Max)	Video Capacitance (pF)
KDT0120	0.1 - 2.0	0.80	51	2.00	0.75	470
KDT0140	0.1 - 4.0	0.80	51	2.20	0.75	470
KDT0112	0.1 - 12.4	0.80	50	2.50	1.00	470
KDT0518	0.5 - 18.5	0.50	50	3.50	1.00	100
KDT1018	1.0 - 18.0	0.40	47	3.50	1.00	50
KDT2018	2.0 - 18.0	0.50	47	3.50	1.00	20
KDT6018	6.0 - 18.0	0.70	47	3.00	0.75	10
KDT8018	8.0 - 18.0	0.70	47	3.00	0.75	10



COAXIAL THRESHOLD DETECTORS

Model	Frequency (GHz)	VSWR (Typical)	Threshold Variation ($\pm\text{dB}$, Max.)
KTH0120	0.1 - 2.0	2.00	0.75
KTH0140	0.1 - 4.0	2.60	0.75
KTH0112	0.1 - 12.4	2.70	1.00
KTH0518	0.5 - 18.5	3.50	1.00
KTH2018	2.0 - 18.0	3.00	1.00
KTH6018	6.0 - 18.0	3.00	0.75
KTH8018	8.0 - 18.0	3.00	0.75



COAXIAL PIN - PIN DIODE LIMITERS

Model	Frequency (GHz)	Insertion Loss (dB)	VSWR (Typical)	Minimum Leakage Power (dBm)	
				Peak	CW
KPL0520	0.5 - 2.0	0.50	1.40	+23.0	+20.0
KPL0140	0.5 - 4.0	0.60	1.40	+23.0	+20.0
KPL2018	2.0 - 18.0	2.50	2.20	+23.0	+19.0
KPL6018	6.0 - 18.0	2.20	2.00	+20.0	+19.0
KPL8018	8.0 - 18.0	2.20	2.00	+20.0	+19.0



COAXIAL PIN - SCHOTTKY DIODE LIMITERS

Model	Frequency (GHz)	Insertion Loss (dB)	VSWR (Typical)	Minimum Leakage Power (dBm)	
				Peak	CW
KSL0520	0.5 - 2.0	0.60	1.50	+20.0	+16.0
KSL0140	0.5 - 4.0	0.80	1.50	+20.0	+16.0
KSL2018	2.0 - 18.0	2.50	2.20	+20.0	+16.0
KSL6018	6.0 - 18.0	2.50	2.20	+19.0	+15.0
KSL8018	8.0 - 18.0	2.50	2.20	+19.0	+15.0



COAXIAL ADAPTORS

Frequency (GHz)	Adapter Type	Type Connector	Connector Configuration	VSWR (Max)	Model Number
DC-27 GHz	In Series	SMA	Female to Male	1.10 to 18 GHz 1.15 18 to 27 GHz	1030
DC-27 GHz	In Series	SMA	Male to Male	1.10 DC to 18 GHz 1.15 18 to 27 GHz	1031
DC-27 GHz	In Series	SMA	Female to Female	1.10 DC to 18 GHz 1.15 18 to 27 GHz	1032
DC-40 GHz	In Series	2.92mm	Female to Male	1.10 DC to 27 GHz 1.15 27.0 to 40 GHz	2030
DC-40 GHz	In Series	2.92mm	Male to Male	1.10 DC to 27.0 GHz 1.15 27.0 to 40 GHz	2031
DC-40 GHz	In Series	2.92mm	Female to Female	1.10 DC to 27 GHz 1.15 27 to 40GHz	2032
DC-50 GHz	In Series	2.4mm	Female to Male	1.10 DC to 27 GHz 1.15 27 to 40 GHz 1.20 40 to 50 GHz	3030
DC-50 GHz	In Series	2.4mm	Male to Male	1.10 DC to 27 GHz 1.15 27 to 40 GHz 1.20 40 to 50 GHz	3031
DC-50 GHz	In Series	2.4mm	Female to Female	1.10 DC to 27 GHz 1.15 27 to 40 GHz 1.20 40 to 50 GHz	3032
DC-40 GHz	Between Series	2.92mm to 2.4mm	Female to Female	1.10 DC to 18 GHz 1.15 18 to 40 GHz	5010
DC-40 GHz	Between Series	2.92mm to 2.4mm	Female to Male	1.10 DC to 18 GHz 1.15 18 to 40 GHz	5020
DC-40 GHz	Between Series	2.92mm to 2.4mm	Male to Female	1.10 DC to 18 GHz 1.15 18 to 40 GHz	5030
DC-40 GHz	Between Series	2.92mm to 2.4mm	Male to Male	1.10 DC to 18 GHz 1.15 18 to 40 GHz	5040

COAXIAL TERMINATIONS



Frequency Range	Model	Maximum VSWR	Connector	Dimensions
DC - 20 GHz	T1M	1.05	3.5 mm Male	0.80" x 0.36" dia.
DC - 20 GHz	T1F	1.07	3.5 mm Female	0.73" x 0.36" dia.
DC - 26.5 GHz	T2M	1.09	3.5 mm Male	0.80" x 0.36" dia.
DC - 26.5 GHz	T2F	1.11	3.5 mm Female	0.73" x 0.36" dia.
DC - 40 GHz	T3M	1.20	2.4 mm Male	0.84" x 0.36" dia.
DC - 40 GHz	T3MK	1.20	2.92 mm Male	0.85" x 0.36" dia.
DC - 40 GHz	T3FK	1.20	2.92 mm Female	0.80" x 0.36" dia.
DC - 50 GHz	T4M	1.25	2.4 mm Male	0.84" x 0.36" dia.
DC - 67 GHz	T5M	1.20, DC-40GHz 1.43, 40-67GHz	2.4 mm Male	0.84" x 0.36" dia.

9000B POWER METER



Frequency range	100 kHz to 40 GHz
Power range (CW power)	-30 to +20 dBm, usable to -39 dBm
Ranging	Auto-ranging, 2 ranges
Linearity	± 0.05 dB @ 25° C ± 0.10 dB, 10° C to 40° C
Accuracy, power reference	50 MHz, 0 dBm ± 0.05 @ 25° C (NIST traceable) ± 0.10 dB, 10° to 40° C
Sensor zero	Auto zero
Digital 3½ display	-39.99 to +39.99 dBm (0.01 dB steps) 3 readings/sec
dB/Volts output port	0.1 Volts/dB, -4.0 to +4.0 V, 0.02 dB steps < 1 ms R/F time > 1 kHz 3 dB BW
Temperature	Operating: +10° to +40° C Storage: -20° to +70° C
Power requirement	+10 to +24 VDC, 500 mA 115 VAC $\pm 10\%$, 10 W 230 VAC $\pm 5\%$, optional
Internal batteries and charger	> 12 hours of operation. Charging time approx. 4.5 hrs.
Dimensions	3 5/8" H x 8 5/16" W x 1 1/2" D

Optional RS-232 serial port or IEEE-488 interface bus available.

9500A SERIES POWER SENSORS

Model	Frequency Range	Maximum VSWR	Maximum Input	Power Linearity @ 25° C	Connector
9510A	100 kHz to 4 GHz	1.20	+21 dBm	-20 to +20 dBm (± 0.02 dB) -30 to -20 dBm (± 0.03 dB) -40 to -30 dBm (± 0.25 dB) 10° to 40° C add ± 0.15 dB	N Male
9511A	100 kHz to 4 GHz	1.20			3.5 mm Male
9515A	100 kHz to 12.4 GHz	1.20 to 4 GHz 1.30 to 12.4 GHz			N Male
9516A	100 kHz to 12.4 GHz	1.20 to 4 GHz 1.30 to 12.4 GHz			3.5 mm Male
9517A	100 kHz to 18 GHz	1.20 to 4 GHz 1.30 to 12.4 GHz 1.35 to 18 GHz			N Male
9520A	100 kHz to 20 GHz	1.20 to 4 GHz 1.30 to 12.4 GHz 1.35 to 20 GHz			3.5 mm Male
9530A	100 kHz to 26.5 GHz	1.20 to 4 GHz 1.30 to 12.4 GHz 1.35 to 20 GHz 1.50 to 26.5 GHz			3.5 mm Male
9540A	100 kHz to 40 GHz	1.20 to 4 GHz 1.30 to 12.4 GHz 1.35 to 20 GHz 1.50 to 26.5 GHz 2.00 to 40 GHz			2.92 mm Male



KRYTAR®

Ultra-Broadband High Performance Components and Test Equipment DC - 67 GHz



**1288 Anvilwood Avenue
Sunnyvale, CA 94089-2203
USA**

**Phone (408) 734-5999
Fax (408) 734-3017
Toll Free 1(877) 734-5999**

NOTE: The Krytar website has complete data sheets with detailed electrical specifications as well as dimensions on each model number of each product listed in this short form catalog. Comprehensive applications ideas are also included. Please visit the website for any detailed information required or call Krytar toll free at 1-877-734-5999. A complete catalog can be downloaded from the website.

KRYTAR®

www.krytar.com

SINCE 1975