

Couplers

Qualwave supplies a series of broadband and high power couplers with a wide frequency range up to 110GHz.

Single Directional Couplers

Single directional coupler can be used to monitor and control the output power and frequency spectrum of transmitter. It can also be used as a power meter with detector and level indicator.

Features: Broadband, High Power, Low Insertion Loss; **Applications:** Power Amplifiers, Broadcast, Laboratory Test, Telecom.

How To Order:

QUDC-V-W-X-Y-Z

Single: S, Dual - D, Bi - B
 Start Frequency (MHz)
 Stop Frequency (MHz)
 Connector Type
 Coupling (dB)
 Power (W)



Examples: To order a single directional coupler, 20M-1GHz, power 50W, coupling 10.5dB, SMA, specify QSDC-20-1000-50-10.5-S.

The sizes in the following table do not include connectors and terminations.

Part Number	Frequency (GHz)	Power (W)	Coupling (dB)	Insertion Loss (dB, max.)	Directivity (dB, min.)	VSWR (max.)	Connector	Size* (mm)
QSDC-0.009-50-K2-50-NS	9K-0.05	200	50±1	0.5	16	1.2	N&SMA	120*55.9*30
QSDC-0.009-250-K6-50-NS	9K-0.25	600	50±2	0.4	16	1.2	N&SMA	120*55.9*30
QSDC-0.009-400-K5-50-NS	9K-0.4	500	50±2	0.6	16	1.2	N&SMA	120*55.9*30
QSDC-1-10-K15-20-S	0.001-0.01	150	20±0.5	0.2	20	1.2	SMA	50.8*51*22.35
QSDC-10-500-K1-50-NS	0.01-0.5	100	50±1.5	0.2	18	1.2	N&SMA	49*44*26
QSDC-10-1000-1-11-S	0.01-1	1	11±2	1.8	13	1.5	SMA	32*32*10
QSDC-10-6000-R3-16-N	0.01-6	0.3	16±1.2	2.5	15	1.5	N	100.4*33.1*21.36
QSDC-20-1000-50-10.5-S	0.02-1	50	10.5±1	0.84	18	1.5	SMA	50.8*51*22.35
QSDC-20-1000-50-10.5-N	0.02-1	50	10.5±1	0.84	18	1.5	N	50.8*50.8*22.35
QSDC-20-1000-50-20-N	0.02-1	50	20±1.5	0.65	18	1.5	N	50.8*50.8*22.35
QSDC-20-1000-50-20-S	0.02-1	50	20±1.5	0.65	18	1.5	SMA	50.8*51*22.35
QSDC-20-1000-K15-50-S	0.02-1	150	50±1	0.4	20	1.5	SMA	51*50.8*22.35
QSDC-30-1000-50-20-S	0.03-1	50	20±1.5	0.65	20	1.5	SMA	50.8*51*22.35
QSDC-80-420-50-20-N-1	0.08-0.42	50	20±1	0.4	20	1.25	N&BNC	50.8*51*22.35
QSDC-80-420-50-40-N-1	0.08-0.42	50	40±1	0.4	20	1.25	N&BNC	50.8*51*22.35
QSDC-80-1000-K25-40-S	0.08-1	250	40±1	0.3	16	1.15	SMA	50.8*51*22.35
QSDC-80-1000-K25-40-N	0.08-1	250	40±1	0.3	16	1.2	N	120*55.9*30
QSDC-80-1000-K6-60-NS	0.08-1	600	60±1	0.4	20	1.2	N&SMA	152.4*80*30
QSDC-100-110-10-10-S	0.1-0.11	10	10±1	1	20	1.2	SMA	107*44*14
QSDC-100-700-10-10-S	0.1-0.7	10	10±2	0.9	12	1.3	SMA	250*66*15
QSDC-130-470-50-6-S	0.13-0.47	50	6±1.2	0.7	20	1.25	SMA	412*15*11
QSDC-200-300-K5-40-N	0.2-0.3	500	40±1.5	0.3	16	1.2	N	51*38.1*27.6
QSDC-200-2000-50-30-S	0.2-2	50	30±1.5	0.8	15	1.3	SMA	270*20*11
QSDC-300-800-50-30-S	0.3-0.8	50	30±1	0.3	10	1.2	SMA	180*15*11
QSDC-300-2400-30-10-S	0.3-2.4	30	10	1	18	1.3	SMA	115*15.5*11
QSDC-300-2400-30-20-S	0.3-2.4	30	20	1	18	1.3	SMA	115*15.5*11
QSDC-300-2400-30-30-S	0.3-2.4	30	30	1	18	1.3	SMA	115*15.5*11
QSDC-300-4000-50-30-S	0.3-4	50	30±1.5	1	12	1.4	SMA	186*20*11
QSDC-300-6000-K6-30-NS	0.3-6	600	30±0.9	0.7	15	1.4	N&SMA	217.9*43.4*30
QSDC-300-6000-K6-40-NS	0.3-6	600	40±1	0.7	15	1.4	N&SMA	217.9*43.4*30
QSDC-300-8000-20-20-S	0.3-8	20	20±1	1.3	18	1.35	SMA	152.4*18.54*12.7
QSDC-300-18000-30-6-S	0.3-18	30	6±0.8	3	13	1.4	SMA	178*23*15.4
QSDC-300-18000-30-10-S	0.3-18	30	10±0.8	2	13	1.4	SMA	178*23*15.4
QSDC-300-18000-30-20-S	0.3-18	30	20±0.8	1.4	13	1.4	SMA	178*23*15.4
QSDC-300-26500-30-6-S	0.3-26.5	30	6±0.9	3.5	11	1.5	SMA	178*23*15.4
QSDC-300-26500-30-10-S	0.3-26.5	30	10±0.9	2.7	11	1.5	SMA	178*23*15.4
QSDC-300-40000-20-30-K	0.3-40	20	30±1.2	4.2	10	1.7	2.92mm	178*23*15.4
QSDC-300-67000-12-20-V	0.3-67	12	20±2	6.1	7	1.9	1.85mm	178*23*15.4
QSDC-400-1560-30-10-S	0.4-1.56	30	10±1.5	1.1	20	1.3	SMA	115*15.5*11
QSDC-400-2500-10-10-S	0.4-2.5	10	10	1	18	1.3	SMA	115*15.5*11
QSDC-400-2500-10-20-S	0.4-2.5	10	20	0.6	18	1.3	SMA	115*16*11
QSDC-400-2500-10-30-S	0.4-2.5	10	30	0.5	18	1.3	SMA	115*16*11
QSDC-400-2700-K2-40-N	0.4-2.7	200	40±1.5	0.5	20	1.5	N	50*50*26

The sizes in the following table do not include connectors and terminations.

Part Number	Frequency (GHz)	Power (W)	Coupling (dB)	Insertion Loss (dB, max.)	Directivity (dB, min.)	VSWR (max.)	Connector	Size* (mm)
QSDC-400-2700-K4-40-N	0.4-2.7	400	40±1.2	0.4	20	1.2	N	158*53*26
QSDC-400-3000-10-20-S	0.4-3	10	20±1	0.5	20	1.3	SMA	149*25*14
QSDC-400-3000-K3-50-S	0.4-3	300	50±2.5	0.5	20	1.2	SMA	150*25*10
QSDC-400-3900-K1-20-N	0.4-3.9	100	20±2	0.5	17	1.2	N&SMA	99*42*22.5
QSDC-400-3900-K15-15-NS	0.4-3.9	150	15±1.5	0.5	16	1.25	N&SMA	113*25*20
QSDC-400-6000-K6-30-NS	0.4-6	600	30±0.8	0.6	15	1.3	N&SMA	187.5*43.4*30
QSDC-400-6000-K6-40-NS	0.4-6	600	40±0.9	0.6	15	1.3	N&SMA	187.5*43.4*30
QSDC-400-8000-K6-30-NS	0.4-8	600	30±0.9	0.7	14	1.4	N&SMA	187.5*43.4*30
QSDC-400-8000-K6-40-NS	0.4-8	600	40±1	0.7	14	1.4	N&SMA	187.5*43.4*30
QSDC-400-8000-K25-30-NS	0.4-8	250	30±0.9	0.7	14	1.4	N&SMA	187.5*43.4*30
QSDC-400-8000-K25-40-NS	0.4-8	250	40±1	0.7	14	1.4	N&SMA	187.5*43.4*30
QSDC-400-18000-50-10-S	0.4-18	50	10±1.5	1.5	10	1.8	SMA	113*15*11
QSDC-400-18000-50-20-S	0.4-18	50	20±1.5	1.5	10	1.8	SMA	113*15*11
QSDC-400-20000-10-20-S	0.4-20	10	20±1.5	1.5	8	1.5	SMA	137*15.5*11
QSDC-450-2500-50-6-S	0.45-2.5	50	6±1	0.8	18	1.2	SMA	112*17*11
QSDC-450-6000-30-10-S	0.45-6	30	10	1.2	12	1.5	SMA	115*16*11
QSDC-450-6000-30-20-S	0.45-6	30	20	1.2	12	1.5	SMA	115*16*11
QSDC-450-6000-30-30-S	0.45-6	30	30	1.2	12	1.5	SMA	115*16*11
QSDC-470-860-K5-30-7M7	0.47-0.86	500	30±0.75	0.3	20	1.15	7/16 DIN m/f	166*66*35
QSDC-470-860-K5-40-7M7	0.47-0.86	500	40±0.75	0.3	20	1.15	7/16 DIN m/f	166*66*35
QSDC-470-860-K5-50-7M7	0.47-0.86	500	50±0.75	0.3	20	1.15	7/16 DIN m/f	166*66*35
QSDC-500-1000-30-10-S	0.5-1	30	10	0.4	20	1.3	SMA	120*26*14
QSDC-500-1000-30-20-S	0.5-1	30	20	0.4	20	1.3	SMA	120*26*14
QSDC-500-1000-30-30-S	0.5-1	30	30	0.4	20	1.3	SMA	120*26*14
QSDC-500-2000-10-15-S	0.5-2	10	15±1	1	18	1.3	SMA	137*15.5*11
QSDC-500-2000-30-10-S	0.5-2	30	10	0.8	20	1.25	SMA	106*15.5*11
QSDC-500-2000-30-20-S	0.5-2	30	20	0.4	20	1.25	SMA	106*15.5*11
QSDC-500-2000-30-30-S	0.5-2	30	30	0.3	20	1.25	SMA	106*15.5*11
QSDC-500-2000-50-30-S	0.5-2	50	30±1	0.4	20	1.2	SMA	113*15*11
QSDC-500-3000-K5-60-NS	0.5-3	500	60±2	0.4	16	1.4	N&SMA	50*44*26
QSDC-500-6000-30-20-S	0.5-6	30	20±1	0.6	18	1.25	SMA	113*15*11
QSDC-500-6000-30-30-S	0.5-6	30	30±1.5	1	18	1.4	SMA	113*17*11
QSDC-500-6000-K2-40-S	0.5-6	200	40±2	0.6	15	1.5	S	38.1*38.1*27.6
QSDC-500-6000-K2-40-N	0.5-6	200	40±2	0.6	15	1.5	N	38.1*38.1*27.6
QSDC-500-6000-K3-40-N	0.5-6	300	40±2	0.6	15	1.5	N	38.1*38.1*27.6
QSDC-500-6000-K6-30-NS	0.5-6	600	30±0.7	0.6	15	1.3	N&SMA	174.8*30*43.4
QSDC-500-6000-K6-40-NS	0.5-6	600	40±0.8	0.6	15	1.3	N&SMA	174.8*30*43.4
QSDC-500-8000-50-10-S	0.5-8	50	10±1	1.2	15	1.4	SMA	113*15*11
QSDC-500-8000-50-20-S	0.5-8	50	20±1	1.2	12	1.5	SMA	113*15*11
QSDC-500-8000-K25-30-NS	0.5-8	250	30±0.8	0.7	14	1.4	N&SMA	174.8*30*43.4
QSDC-500-8000-K25-40-NS	0.5-8	250	40±0.9	0.7	14	1.4	N&SMA	174.8*30*43.4
QSDC-500-8000-K6-30-NS	0.5-8	600	30±0.8	0.7	14	1.4	N&SMA	174.8*30*43.4
QSDC-500-8000-K6-40-NS	0.5-8	600	40±0.9	0.7	14	1.4	N&SMA	174.8*30*43.4
QSDC-500-12000-80-20-S	0.5-12	80	20±1	1	12	1.6	SMA	113*15*11
QSDC-500-18000-50-10-S	0.5-18	50	10±1	1.6	10	1.6	SMA	113*15*11
QSDC-500-18000-50-10-N	0.5-18	50	10±1	1	15	1.4	N	116.5*17.5*23
QSDC-500-18000-50-20-S	0.5-18	50	20±1	1.6	10	1.6	SMA	113*15*11
QSDC-500-18000-50-20-N	0.5-18	50	20±1	1	15	1.4	N	116.5*17.5*23
QSDC-500-18000-50-30-S	0.5-18	50	30±1.5	1.6	10	1.6	SMA	113*15*11
QSDC-500-18000-50-30-N	0.5-18	50	30±1.5	1	15	1.4	N	116.5*17.5*23
QSDC-500-18000-30-6-S	0.5-18	30	6±0.8	2.6	14	1.5	SMA	111.8*17.8*12.7
QSDC-500-18000-K25-30-NS	0.5-18	250	30±1.2	1	10	1.6	N&SMA	168.8*20*35
QSDC-500-18000-K25-40-NS	0.5-18	250	40±1.2	1	10	1.6	N&SMA	168.8*20*35
QSDC-500-18000-K4-30-NS	0.5-18	400	30±1.2	1	10	1.6	N&SMA	174.8*30*43.4
QSDC-500-18000-K4-40-NS	0.5-18	400	40±1.2	1	10	1.6	N&SMA	174.8*30*43.4
QSDC-500-18500-20-10-S	0.5-18.5	20	10±1	1.6	10	1.6	SMA	113*15*11
QSDC-500-26500-30-6-S	0.5-26.5	30	6±0.8	2.9	13	1.6	SMA	111.8*17.8*12.7
QSDC-500-26500-30-10-S	0.5-26.5	30	10±0.7	2.2	14	1.5	SMA	111.8*17.8*12.7
QSDC-500-26500-30-20-S	0.5-26.5	30	20±0.7	1.4	14	1.5	SMA	111.8*17.8*12.7
QSDC-500-26500-30-30-S	0.5-26.5	30	30±1	1.3	13	1.6	SMA	111.8*17.8*12.7
QSDC-500-40000-20-6-K	0.5-40	20	6±1	3.9	10	1.7	2.92mm	111.8*17.8*12.7
QSDC-500-40000-20-10-K	0.5-40	20	10±1	2.9	10	1.7	2.92mm	111.8*17.8*12.7

The sizes in the following table do not include connectors and terminations.

Part Number	Frequency (GHz)	Power (W)	Coupling (dB)	Insertion Loss (dB, max.)	Directivity (dB, min.)	VSWR (max.)	Connector	Size* (mm)
QSDC-500-40000-20-20-K	0.5-40	20	20±1	2.6	10	1.7	2.92mm	111.8*17.8*12.7
QSDC-500-50000-20-10-2	0.5-50	20	10±1.2	3.6	8	1.8	2.4mm	111.8*17.8*12.7
QSDC-500-50000-20-20-2	0.5-50	20	20±1.2	3.3	8	1.8	2.4mm	111.8*17.8*12.7
QSDC-600-3000-K2-20-NS	0.6-3	200	20±1.2	0.7	16	1.35	N&SMA	120*26*22
QSDC-600-3000-K5-40-NS	0.6-3	500	40±1	0.35	16	1.5	N&SMA	80*40*22
QSDC-600-6000-50-10-S	0.6-6	50	10±1	1	15	1.3	SMA	112*17*12.7
QSDC-600-6000-50-20-S	0.6-6	50	20±1.2	0.8	18	1.3	SMA	113*15*11
QSDC-600-6000-50-30-S	0.6-6	50	30±1	0.5	15	1.3	SMA	100*15*11
QSDC-600-40000-30-10-K	0.6-40	30	10±2.8	3.8	8	1.8	2.92mm	154*15*11
QSDC-700-6000-50-20-S	0.7-6	50	20±1	0.7	16	1.3	SMA	115*16*11
QSDC-700-6000-50-20-N	0.7-6	50	20±1	1	12	1.3	N	125*20*20
QSDC-700-6000-K6-30-NS	0.7-6	600	30±0.7	0.5	15	1.3	N&SMA	144.3*30*43.3
QSDC-700-6000-K6-40-NS	0.7-6	600	40±0.7	0.5	15	1.3	N&SMA	144.3*30*43.3
QSDC-700-18000-K25-30-NS	0.7-18	250	30±1.2	0.9	10	1.6	N&SMA	144.3*30*43.3
QSDC-700-18000-K25-40-NS	0.7-18	250	40±1.2	0.9	10	1.6	N&SMA	144.3*30*43.3
QSDC-800-2700-50-10-S	0.8-2.7	50	10±1	1	18	1.2	SMA	112*17*12.7
QSDC-800-3500-K2-40-N	0.8-3.5	200	40±1.5	0.35	18	1.4	N	50*50*26
QSDC-800-6000-K4-20-NS	0.8-6	400	20±1	0.5	14	1.5	N&SMA	80*40*22
QSDC-910-920-K3-30-S	0.91-0.92	300	30±0.5	0.2	20	1.2	SMA	50*20*10
QSDC-1000-4000-30-10-S	1-4	30	10	1	20	1.3	SMA	73*15*11
QSDC-1000-4000-30-20-S	1-4	30	20	1	20	1.3	SMA	73*15*11
QSDC-1000-4000-30-30-S	1-4	30	30	0.5	20	1.3	SMA	73*15*11
QSDC-1000-4000-50-20-S	1-4	50	20±1	0.5	18	1.3	SMA	73*15*11
QSDC-1000-6000-K1-10-N	1-6	100	10±0.8	0.8	10	1.4	N	100*22*24
QSDC-1000-6000-K1-15-N	1-6	100	15±1.5	0.8	15	1.4	N	120*22*30
QSDC-1000-6000-K3-30-NS	1-6	300	30±1.5	0.6	16	1.35	N&SMA	100*26*22
QSDC-1000-6000-K1-40-NS	1-6	100	40±1	0.4	12	1.8	N&SMA	92*38*25.4
QSDC-1000-6000-K6-30-NS	1-6	600	30±0.7	0.5	15	1.3	N&SMA	107*30*43.4
QSDC-1000-6000-K6-40-NS	1-6	600	40±0.7	0.5	15	1.3	N&SMA	107*30*43.4
QSDC-1000-8000-30-30-S	1-8	30	30±1.2	0.8	15	1.5	SMA	73*15*11
QSDC-1000-12400-30-20-S	1-12.4	30	20±1	0.87	15	1.5	SMA	90*15.5*11
QSDC-1000-18000-30	1-18	30	10, 20, 30	1.5	10	1.6	SMA	90*15.5*11
QSDC-1000-18000-50-20-S	1-18	50	20±1	1.2	12	1.6	SMA	73*15*11
QSDC-1000-18000-30-6-S	1-18	30	6±0.6	2.5	15	1.5	SMA	88.9*17.8*12.7
QSDC-1000-18000-K25-30-NS	1-18	250	30±1.2	0.8	10	1.6	N&SMA	107.6*30*43.4
QSDC-1000-18000-K25-40-NS	1-18	250	40±1.2	0.8	10	1.6	N&SMA	107.6*30*43.4
QSDC-1000-18000-K4-30-NS	1-18	400	30±1.2	0.8	10	1.6	N&SMA	107.6*30*43.4
QSDC-1000-18000-K4-30-NS	1-18	400	40±1.2	0.8	10	1.6	N&SMA	107.6*30*43.4
QSDC-1000-26500-30-20-S	1-26.5	30	20±1.5	2.2	10	1.7	SMA	84*15*11
QSDC-1000-26500-30-6-S	1-26.5	30	6±0.7	2.8	13	1.6	SMA	88.9*17.8*12.7
QSDC-1000-26500-30-10-S	1-26.5	30	10±0.5	1.8	13	1.6	SMA	88.9*17.8*12.7
QSDC-1000-26500-30-30-S	1-26.5	30	30±0.8	1.1	13	1.5	SMA	88.9*17.8*12.7
QSDC-1000-40000-20-6-K	1-40	20	6±0.8	3.8	10	1.7	2.92mm	88.9*17.8*12.7
QSDC-1000-40000-20-30-K	1-40	20	30±1.2	1.9	9	1.7	2.92mm	88.9*17.8*12.7
QSDC-1000-40000-30-10-K	1-40	30	10±1.2	2.8	10	1.7	2.92mm	84*15*11
QSDC-1000-40000-30-16-K	1-40	30	16±1.5	2.6	10	1.7	2.92mm	84*15*11
QSDC-1000-40000-30-20-K	1-40	30	20±1.2	2.8	10	1.7	2.92mm	84*15*11
QSDC-1000-44000-1-10-2	1-44	1	10	2.5	10	2	2.4mm	90.2*18.5*13.5
QSDC-1000-50000-20-10-2	1-50	20	10±1	3.5	8	1.8	2.4mm	88.9*17.8*12.7
QSDC-1000-50000-20-20-2	1-50	20	20±2	3.0	9	1.8	2.4mm	88.9*17.8*12.7
QSDC-1000-67000-20-10-V	1-67	20	10±3.5	3.8	8	1.9	1.85mm	62.9*16*12.7
QSDC-1290-1310-70-6-N	1.29-1.31	70	6±1	1.8	20	1.3	N	120*40*16.5
QSDC-1290-1310-70-10-N	1.29-1.31	70	10±1	0.8	20	1.3	N	120*40*16.5
QSDC-1290-1310-K1-6-N	1.29-1.31	100	6±1	1.8	20	1.3	N	120*40*16.5
QSDC-1290-1310-K1-10-N	1.29-1.31	100	10±1	0.8	20	1.3	N	120*40*16.5
QSDC-1290-1310-K1-20-N	1.29-1.31	100	20±1	0.5	20	1.3	N	120*40*16.5
QSDC-2000-2500-K5-40-NS	2-2.5	500	40	0.4	15	1.4	N&SMA	44*26*22
QSDC-2000-3000-50-20-S	2-3	50	20	0.5	20	1.25	SMA	43*15*11
QSDC-2000-4000-50-10-S	2-4	50	10±1	1	18	1.3	SMA	43*15*11
QSDC-2000-4000-50-10-N	2-4	50	10±1	1	18	1.3	N	53*20*20
QSDC-2000-4000-50-20-S	2-4	50	20±1	0.4	18	1.3	SMA	43*15*11
QSDC-2000-4000-50-20-N	2-4	50	20±1	0.4	18	1.3	N	53*20*20

The sizes in the following table do not include connectors and terminations.

Part Number	Frequency (GHz)	Power (W)	Coupling (dB)	Insertion Loss (dB, max.)	Directivity (dB, min.)	VSWR (max.)	Connector	Size* (mm)
QSDC-2000-4000-50-30-S	2~4	50	30±1	0.4	18	1.3	SMA	43*15*11
QSDC-2000-4000-50-30-N	2~4	50	30±1	0.4	18	1.3	N	53*20*20
QSDC-2000-4000-K3-20-NS	2~4	300	20±1	0.4	18	1.35	N&SMA	44*26*22
QSDC-2000-4000-K4-40-N	2~4	400	40±1.5	0.5	10	1.3	N	50*50*19.5
QSDC-2000-4000-K5-50-NS	2~4	500	50±1.5	0.4	20	1.25	N&SMA	44*26*22
QSDC-2000-6000-K25-40-NS	2~6	250	40±2	0.6	11.5	1.3	N&SMA	50*50*22.5
QSDC-2000-6000-K6-30-NS	2~6	600	30±0.7	0.4	15	1.3	N&SMA	86.7*30*43.4
QSDC-2000-6000-K6-40-NS	2~6	600	40±0.7	0.4	15	1.3	N&SMA	86.7*30*43.4
QSDC-2000-8000-50-6-S	2~8	50	6±1	0.2	18	1.3	SMA	43*15*11
QSDC-2000-8000-50-10-S	2~8	50	10±1	1.2	16	1.3	SMA	43*15*11
QSDC-2000-8000-50-20-S	2~8	50	20±1	0.45	20	1.25	SMA	43*15*11
QSDC-2000-8000-50-30-S	2~8	50	30±1	0.4	20	1.2	SMA	86.7*30*43.4
QSDC-2000-8000-K25-30-NS	2~8	250	30±0.8	0.4	14	1.4	N&SMA	86.7*30*43.4
QSDC-2000-8000-K25-40-NS	2~8	250	40±0.8	0.4	14	1.4	N&SMA	86.7*30*43.4
QSDC-2000-8000-K5-30-NS	2~8	500	30±1	0.6	14	1.5	N&SMA	60*40*22
QSDC-2000-8000-K6-30-NS	2~8	600	30±0.8	0.4	14	1.4	N&SMA	86.7*30*43.4
QSDC-2000-8000-K6-40-NS	2~8	600	40±0.8	0.4	14	1.4	N&SMA	86.7*30*43.4
QSDC-2000-12000-30-10-S	2~12	30	10	1.1	12	1.5	SMA	51*16*11
QSDC-2000-18000-30-10-S	2~18	30	10	1	12	1.6	SMA	43*15*11
QSDC-2000-18000-30-20-S	2~18	30	20	1	12	1.6	SMA	43*15*11
QSDC-2000-18000-30-30-S	2~18	30	30	1	10	1.6	SMA	43*15*11
QSDC-2000-18000-30-6-S	2~18	30	6±0.6	2.3	15	1.6	SMA	57.2*17.8*12.7
QSDC-2000-18000-K2-50-NS	2~18	200	50±2	0.6	10	1.6	N&SMA	86.7*30*43.4
QSDC-2000-18000-K25-40-NS	2~18	250	40±1	0.6	10	1.6	N&SMA	80.7*35*20
QSDC-2000-18000-K4-30-NS	2~18	400	30±1	0.6	10	1.6	N&SMA	86.7*30*43.4
QSDC-2000-18000-K4-30-NS	2~18	400	40±1	0.6	10	1.6	N&SMA	86.7*30*43.4
QSDC-2000-26500-30-6-S	2~26.5	30	6±0.7	2.6	13	1.6	SMA	57.2*17.8*12.7
QSDC-2000-26500-30-10-S	2~26.5	30	10±0.5	1.5	13	1.5	SMA	57.2*17.8*12.7
QSDC-2000-26500-30-20-S	2~26.5	30	20±0.5	1	14	1.5	SMA	57.2*17.8*12.7
QSDC-2000-26500-30-30-S	2~26.5	30	30±0.6	1	13	1.5	SMA	57.2*17.8*12.7
QSDC-2000-40000-20-6-K	2~40	20	6±0.8	3.6	10	1.7	2.92mm	57.2*17.8*12.7
QSDC-2000-40000-20-30-K	2~40	20	30±0.8	1.4	10	1.7	2.92mm	57.2*17.8*12.7
QSDC-2000-40000-30-10-K	2~40	30	10±1.5	2	10	1.7	2.92mm	48*15*11
QSDC-2000-40000-30-16-K	2~40	30	6±1.2	1.5	10	1.7	2.92mm	48*15*11
QSDC-2000-40000-30-20-K	2~40	30	20±1.5	1.5	10	1.6	2.92mm	48*15*11
QSDC-2000-50000-20-10-2	2~50	20	10±0.8	2.1	9	1.8	2.4mm	57.2*17.8*12.7
QSDC-2000-50000-20-20-2	2~50	20	20±1.1	2	8	1.8	2.4mm	57.2*17.8*12.7
QSDC-2000-67000-10-16-V	2~67	10	16±4	3.5	8	2	1.85mm	62.9*15*11
QSDC-2000-67000-12-10-V	2~67	12	10±1.2	2.7	7	1.9	1.85mm	57.2*17.8*12.7
QSDC-2200-2300-20-10-N	2.2~2.3	20	10±1	0.5	20	1.3	N	55*30*19
QSDC-2200-2300-20-20-N	2.2~2.3	20	20±1	0.5	20	1.3	N	55*30*19
QSDC-2300-2600-K5-40-NS	2.3~2.6	500	40±0.5	0.4	20	1.25	N&SMA	44*26*22
QSDC-2500-6000-50-6-S	2.5~6	50	6±1	0.8	20	1.2	SMA	43*15*11
QSDC-2700-3100-K2-40-NS	2.7~3.1	200	40±2	0.3	18	1.3	N&SMA	44*26*22
QSDC-3000-6000-10-20-S	3~6	10	20±1	0.5	18	1.3	SMA	43*15*11
QSDC-3400-4200-50-30-S	3.4~4.2	50	30±1	0.5	15	1.3	SMA	43*15*11
QSDC-3500-4500-10-20-S	3.5~4.5	10	20±1	0.5	20	1.3	SMA	43*15*11
QSDC-3800-4300-50-20-N	3.8~4.3	50	20±1	0.5	20	1.3	N	20*20*53
QSDC-4000-6000-K4-40-N	4~6	400	40±1.5	0.6	10	1.3	N&SMA	50*50*19.5
QSDC-4000-8000-50-10-S	4~8	50	10±1	1	16	1.3	SMA	43*15*11
QSDC-4000-12000-50-6-S	4~12	50	6±1	1.2	12	1.5	SMA	33*15*11
QSDC-4000-16000-30-10-S	4~16	30	10±1.2	1.2	12	1.5	SMA	43*15*11
QSDC-4000-18000-20-10-S	4~18	20	10±1	1	12	1.5	SMA	33*15*11
QSDC-4000-18000-20-20-S	4~18	20	20±1	1	12	1.5	SMA	33*15*11
QSDC-4000-18000-20-30-S	4~18	20	30±1	1	10	1.5	SMA	33*15*11
QSDC-4000-18000-K3-30-1	4~18	300	30±1.5	0.9	10	1.4	N&SMA	77.8*23.8*30.5
QSDC-4000-18000-K3-30-2	4~18	300	30±1.5	0.9	10	1.4	N	77.8*23.8*30.5
QSDC-4000-18000-K3-40-1	4~18	300	40±1.5	0.9	10	1.4	N&SMA	77.8*23.8*30.5
QSDC-4000-18000-K3-40-2	4~18	300	40±1.5	0.9	10	1.4	N	77.8*23.8*30.5
QSDC-4000-30000-30-20-K	4~30	30	20±1	1.5	12	1.6	2.92mm	48*15*11
QSDC-4000-50000-20-10-2	4~50	20	10±2	2	10	1.8	2.4mm	50.45*15*11
QSDC-6000-18000-30-6-S	6~18	30	6±0.5	2	15	1.4	SMA	31.8*17.8*12.7

The sizes in the following table do not include connectors and terminations.

Part Number	Frequency (GHz)	Power (W)	Coupling (dB)	Insertion Loss (dB, max.)	Directivity (dB, min.)	VSWR (max.)	Connector	Size* (mm)
QSDC-6000-18000-50-10-S	6~18	50	10±1	1	12	1.5	SMA	33*15*11
QSDC-6000-18000-50-20-S	6~18	50	20±1	0.6	12	1.5	SMA	33*15*11
QSDC-6000-18000-50-30-S	6~18	50	30±1	0.6	12	1.5	SMA	33*15*11
QSDC-6000-18000-K2-30-NS	6~18	200	30±1.5	0.5	10	1.8	N&SMA	30*38*25.4
QSDC-6000-18000-K25-30-NS	6~18	250	30±1	0.5	10	1.6	N&SMA	69.7*20*35
QSDC-6000-18000-K25-40-NS	6~18	250	40±1	0.5	10	1.6	N&SMA	69.7*20*35
QSDC-6000-18000-K4-40-NS	6~18	400	40±1	0.5	10	1.6	N&SMA	75.7*30*43.4
QSDC-6000-18200-30-6-S	6~18.2	30	6±1	1.2	12	1.5	SMA	33*15*11
QSDC-6000-18200-30-10-S	6~18.2	30	10±1	1	12	1.5	SMA	33*15*11
QSDC-6000-18200-30-30-S	6~18.2	30	30±1	0.6	12	1.5	SMA	33*15*11
QSDC-6000-26500-30-6-S	6~26.5	30	6±0.6	2.3	14	1.5	SMA	31.8*17.8*12.7
QSDC-6000-26500-30-10-S	6~26.5	30	10±0.6	1.3	13	1.4	SMA	31.8*15.9*12.7
QSDC-6000-26500-30-20-S	6~26.5	30	20±0.5	0.7	15	1.4	SMA	31.8*15.9*12.7
QSDC-6000-26500-30-30-S	6~26.5	30	30±0.7	0.8	13	1.5	SMA	31.8*15.9*12.7
QSDC-6000-40000-20-6-K	6~40	20	6±0.8	2.6	10	1.7	2.92mm	31.8*17.8*12.7
QSDC-6000-40000-20-10-K	6~40	20	10±0.7	1.6	10	1.6	2.92mm	31.8*15.9*12.7
QSDC-6000-40000-20-20-K	6~40	20	20±0.7	1.3	10	1.6	2.92mm	31.8*15.9*12.7
QSDC-6000-40000-20-30-K	6~40	20	30±0.7	1.0	10	1.7	2.92mm	31.8*15.9*12.7
QSDC-6000-50000-20-10-2	6~50	20	10±0.8	1.9	8	1.8	2.4mm	31.8*15.9*12.7
QSDC-6000-67000-12-10-V	6~67	12	10±1.1	2.5	7	1.9	1.85mm	31.8*15.9*12.7
QSDC-6500-11500-20-20-S	6.5~11.5	20	20±1	1	12	1.5	SMA	33*15*11
QSDC-7000-7300-60-30-S	7~7.3	60	30±1	0.5	16	1.5	SMA	33*15*11
QSDC-7000-12400-50-10-S	7~12.4	50	10±1	1	12	1.5	SMA	33*15*11
QSDC-7000-12400-50-20-S	7~12.4	50	20±1	1	12	1.5	SMA	33*15*11
QSDC-7000-12400-50-30-S	7~12.4	50	30±1	1	12	1.5	SMA	33*15*11
QSDC-8000-8400-20-10-N	8~8.4	20	10±1	1	12	1.6	N	47*22*19
QSDC-8000-8400-20-20-N	8~8.4	20	20±1	1	12	1.6	N	47*22*19
QSDC-8000-12000-40-15-S	8~12	40	15±1	0.8	12	1.5	SMA	43*15*11
QSDC-8000-12400-K1-30-N	8~12.4	100	30±1	0.4	10	1.4	N	60*30*24
QSDC-10750-12750-50-20-S	10.75~12.75	50	20±1	0.6	15	1.3	SMA	33*15*11
QSDC-10750-12750-50-30-S	10.75~12.75	50	30±1	0.5	15	1.4	SMA	33*15*11
QSDC-12000-13000-10-6-S	12~13	10	6±1	0.8	12	1.5	SMA	56*15*11
QSDC-12000-18000-50-30-S	12~18	50	30±1	1	12	1.5	SMA	33*15*11
QSDC-12400-18000-50-10-S	12.4~18	50	10±1	0.8	12	1.4	SMA	33*15*11
QSDC-12400-18000-50-20-S	12.4~18	50	20±1	0.8	12	1.4	SMA	33*15*11
QSDC-14000-15000-50-10-S	14~15	50	10±1	0.6	15	1.4	SMA	33*15*11
QSDC-14000-15000-50-20-S	14~15	50	20±1	0.6	15	1.4	SMA	33*15*11
QSDC-18000-26500-30-6-S	18~26.5	30	6±0.5	2.3	14	1.5	SMA	31.8*17.8*12.7
QSDC-18000-31000-30-20-K	18~31	30	20±1	1.4	12	1.6	2.92mm	28*15*11
QSDC-18000-40000-20-6-K	18~40	20	6±0.7	2.6	12	1.7	2.92mm	31.8*17.8*12.7
QSDC-18000-40000-30-10-K	18~40	30	10±1	1.6	10	1.6	2.92mm	28*15*11
QSDC-18000-40000-30-20-K	18~40	30	20±1	1.1	12	1.6	2.92mm	28*15*11
QSDC-18000-40000-30-30-K	18~40	30	30±1	1	10	1.6	2.92mm	28*15*11
QSDC-18000-50000-20-10-2	18~50	20	10±0.7	1.8	9	1.8	2.4mm	31.8*15.9*12.7
QSDC-18000-50000-20-20-2	18~50	20	20±0.8	1.5	8	1.8	2.4mm	31.8*15.9*12.7
QSDC-18000-67000-12-10-V	18~67	12	10±1	2.5	7	1.9	1.85mm	31.8*15.9*12.7
QSDC-20000-50000-10-10-2	20~50	10	10±1.2	1.8	10	1.9	2.4mm	26*15*11
QSDC-20000-50000-10-20-2	20~50	10	20±1.2	1.6	10	1.9	2.4mm	26*15*11
QSDC-20000-50000-10-30-2	20~50	10	30±1.2	1.2	8	1.9	2.4mm	26*15*11
QSDC-26000-30000-30-10-K	26~30	30	10±1	1.6	12	1.6	2.92mm	28*15*11
QSDC-26000-30000-30-20-K	26~30	30	20±1	1.6	12	1.6	2.92mm	28*15*11
QSDC-26000-30000-30-30-K	26~30	30	30±1	1.6	12	1.6	2.92mm	28*15*11
QSDC-26500-40000-20-6-K	26.5~40	20	6±0.7	2.6	12	1.7	2.92mm	31.8*17.8*12.7
QSDC-26500-67000-12-10-V	26.5~67	12	10±1	2.5	7	1.9	1.85mm	31.8*15.9*12.7
QSDC-40000-67000-12-10-V	40~67	12	10±1	2.5	7	1.9	1.85mm	31.8*15.9*12.7
QSDC-65000-86000-20-10-1	65~86	20	10±3	2	12	2.5	1.0mm	70*40*13