



QCY Series – Cryogenic Circulators

Specifications Table

Notes:

- All units work from the mK range to 77k
- First Table uses Max/Min specs and 2nd table uses typical specs
- Model number is determined by sales order. This corresponds to connector configuration & shielding chosen.

Model #	Freq Start (GHz)	Freq Stop (GHz)	Isolation (dB min)	Insertion Loss (dB max)	Return Loss (dB max)
QCY-M1802001xx	0.180	0.200	16	1.0	16
QCY-M2002201xx	0.200	0.220	16	1.0	16
QCY-M2202401xx	0.220	0.240	16	1.0	16
QCY-M2402601xx	0.240	0.260	16	1.0	16
QCY-M2753001xx	0.275	0.300	16	1.0	16
QCY-M3253501xx	0.325	0.350	16	1.0	16
QCY-M3504001xx	0.350	0.400	18	1.0	18
QCY-M4004501xx	0.400	0.450	18	1.0	18
QCY-M4505001xx	0.450	0.500	18	1.0	18
QCY-M5005501xx	0.500	0.550	18	0.8	18
QCY-M5606401xx	0.560	0.640	18	0.6	18
QCY-M6008001xx	0.600	0.800	17	0.5	17
QCY-M6009001xx	0.600	0.900	15	0.5	15
QCY-M7009001xx	0.700	0.900	20	0.5	20
QCY-G0080121xx	0.8	1.2	15	0.35	15
QCY-G0110151xx	1.1	1.5	17	0.5	17
QCY-G0120181xx	1.2	1.8	16	0.4	16
QCY-G0150201xx	1.5	2.0	17	0.35	17
QCY-G0200251xx	2.0	2.5	17	0.4	17
QCY-G0220261xx	2.2	2.6	18	0.4	18



Model #	Freq Start (GHz)	Freq Stop (GHz)	Isolation (dB typ)	Insertion Loss (dB typ)	Return Loss (dB typ)
QCY-G0250451xx	2.5	4.5	20	0.35	20
QCY-G0250452xx	2.5	4.5	36	0.7	20
QCY-G0300601xx	3	6	20	0.25	20
QCY-G0300602xx	3	6	36	0.5	20
QCY-G0400801xx	4	8	24	0.15	24
QCY-G0400802xx	4	8	44	0.25	24
QCY-G0401201xx	4	12	20	0.2	20
QCY-G0401202xx	4	12	36	0.4	20
QCY-G0801201xx	8	12	24	0.2	24
QCY-G0801202xx	8	12	42	0.4	24
QCY-G1201801xx	12	18	20	0.25	20
QCY-G1201802xx	12	18	40	0.5	20
QCY-G1802651xx	18	26.5	20	0.4	20
QCY-G1802652xx	18	26.5	40	0.8	20
QCY-G2654001xx	26.5	40	15	1	15
QCY-G2654002xx	26.5	40	30	2	15