



QCI Series – Cryogenic Isolator 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)
QCI-M1802001XX	0.180	0.200	16	1.0	16
QCI-M2002201XX	0.200	0.220	16	1.0	16
QCI-M2202401XX	0.220	0.240	16	1.0	16
QCI-M2402601XX	0.240	0.260	16	1.0	16
QCI-M2753001XX	0.275	0.300	16	1.0	16
QCI-M3253501XX	0.325	0.350	16	1.0	16
QCI-M3504001XX	0.350	0.400	18	1.0	18
QCI-M4004501XX	0.400	0.450	18	1.0	18
QCI-M4505001XX	0.450	0.500	18	1.0	18
QCI-M5005501XX	0.500	0.550	18	0.8	18
QCI-M5606401XX	0.560	0.640	18	0.6	18
QCI-M6008001XX	0.600	0.800	17	0.5	17
QCI-M6009001XX	0.600	0.900	15	0.5	15
QCI-M7009001XX	0.700	0.900	20	0.5	20
QCI-G0080121XX	0.8	1.2	15	0.35	15
QCI-G0110151XX	1.1	1.5	17	0.5	17
QCI-G0120181XX	1.2	1.8	16	0.4	16
QCI-G0150201XX	1.5	2.0	17	0.35	17
QCI-G0200251XX	2.0	2.5	17	0.4	17
QCI-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)
QCI-G0250451xx	2.5	4.5	20	0.35	20
QCI-G0250452xx	2.5	4.5	36	0.7	20
QCI-G0300601XX	3	6	20	0.25	20
QCI-G0300602XX	3	6	36	0.5	20
QCI-G0400801XX	4	8	24	0.15	24
QCI-G0400802XX	4	8	44	0.25	24
QCI-G0401201XX	4	12	20	0.2	20
QCI-G0401202XX	4	12	36	0.4	20
QCI-G0801201XX	8	12	24	0.2	24
QCI-G0801202XX	8	12	42	0.4	24
QCI-G1201801XX	12	18	20	0.25	20
QCI-G1201802XX	12	18	40	0.5	20
QCI-G1802651XX	18	26.5	20	0.4	20
QCI-G1802652XX	18	26.5	40	0.8	20
QCI-G2654001XX	26.5	40	15	1	15
QCI-G2654002XX	26.5	40	30	2	15

QCI-G0301400XX				
Frequency Range (GHz):	3-4	4-10.5	10.5-12	12-14
Isolation (dB min)	25	18	14	14
Insertion Loss (dB max)	3	0.6	1.1	2
Return Loss (dB max)	18	18	16	16