

QMI CABLE ASSEMBLY TECHNICAL DATA

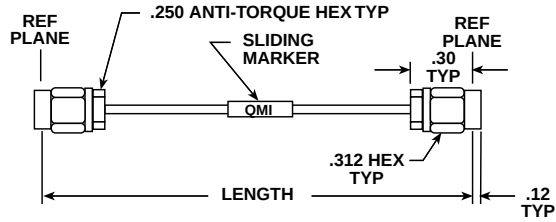
SMA MALE TO SMA MALE ON 600 SEMI-FLEX® CABLE

ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS				
CAPACITANCE NOMINAL:	29.40	pt/FOOT				
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%				
RELATIVE SHIELDING:	-100	dB MIN.				
INSULATION RESISTANCE:	1000	MEGOHMS MIN.				
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.				
ELECTRICAL DELAY:	1.44	ns /FOOT				
ELECTRICAL DELAY:	120	ps /INCH				
MAX. PULSE RF POWER:	1250	WATTS				
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHZ)→	1	2	4	6	12	18
MAX. CW WATTS →	130	95	62	48	30	22

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.090	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	COPPER BRAID	TIN COATED
MARKER & BOOT:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH INCHES
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	
1-3636-600- 5202	D	2.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.13	0.18	0.22	0.31	0.40	2.00
1-3636-600- 5203	D	3.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.22	0.27	0.38	0.50	3.00
1-3636-600- 5204	D	4.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.26	0.32	0.46	0.60	4.00
1-3636-600- 5205	D	5.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.21	0.30	0.37	0.53	0.69	5.00
1-3636-600- 5206	D	6.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.24	0.34	0.42	0.61	0.79	6.00
1-3636-600- 5207	D	7.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.38	0.47	0.69	0.89	7.00
1-3636-600- 5208	D	8.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.29	0.42	0.52	0.76	0.99	8.00
1-3636-600- 5209	D	9.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.46	0.57	0.84	1.08	9.00
1-3636-600- 5210	D	10.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.35	0.50	0.62	0.92	1.18	10.00
1-3636-600- 5211	D	11.00	0.15	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.55	0.67	0.99	1.28	11.00
1-3636-600- 5212	D	12.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.59	0.72	1.07	1.37	12.00
1-3636-600- 5213	D	13.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.43	0.63	0.77	1.14	1.47	13.00
1-3636-600- 5214	D	14.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.46	0.67	0.83	1.22	1.57	14.00
1-3636-600- 5215	D	15.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.71	0.88	1.30	1.67	15.00
1-3636-600- 5216	D	16.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.51	0.75	0.93	1.37	1.76	16.00
1-3636-600- 5217	D	17.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.79	0.98	1.45	1.86	17.00
1-3636-600- 5218	D	18.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.83	1.03	1.52	1.96	18.00
1-3636-600- 5219	D	19.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.87	1.08	1.60	2.05	19.00
1-3636-600- 5220	D	20.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.62	0.91	1.13	1.68	2.15	20.00
1-3636-600- 5221	D	21.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.65	0.95	1.18	1.75	2.25	21.00
1-3636-600- 5222	D	22.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.68	0.99	1.23	1.83	2.35	22.00
1-3636-600- 5223	D	23.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.71	1.03	1.28	1.91	2.44	23.00
1-3636-600- 5224	D	24.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.52	0.74	1.07	1.33	1.98	2.54	24.00
1-3636-600- 5225		25.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.54	0.76	1.11	1.39	2.06	2.64	25.00
1-3636-600- 5226		26.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.56	0.79	1.15	1.44	2.13	2.73	26.00
1-3636-600- 5227		27.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.57	0.82	1.19	1.49	2.21	2.83	27.00
1-3636-600- 5228		28.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.59	0.85	1.23	1.54	2.29	2.93	28.00
1-3636-600- 5229		29.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.61	0.87	1.27	1.59	2.36	3.03	29.00
1-3636-600- 5230		30.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.63	0.90	1.31	1.64	2.44	3.12	30.00
1-3636-600- 5231		31.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.65	0.93	1.35	1.69	2.51	3.22	31.00
1-3636-600- 5232		32.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.67	0.96	1.39	1.74	2.59	3.32	32.00
1-3636-600- 5233		33.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.69	0.98	1.44	1.79	2.67	3.42	33.00
1-3636-600- 5234		34.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.71	1.01	1.48	1.84	2.74	3.51	34.00
1-3636-600- 5235		35.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.73	1.04	1.52	1.89	2.82	3.61	35.00
1-3636-600- 5236	D	36.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.07	1.56	1.95	2.90	3.71	36.00
1-3636-600- 5237		37.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.09	1.60	2.00	2.97	3.80	37.00
1-3636-600- 5238		38.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.12	1.64	2.05	3.05	3.90	38.00
1-3636-600- 5239		39.00	0.20	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.15	1.68	2.10	3.12	4.00	39.00
1-3636-600- 5240		40.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.18	1.72	2.15	3.20	4.10	40.00
1-3636-600- 5241		41.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.21	1.76	2.20	3.28	4.19	41.00
1-3636-600- 5242		42.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.23	1.80	2.25	3.35	4.29	42.00
1-3636-600- 5243		43.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.26	1.84	2.30	3.43	4.39	43.00
1-3636-600- 5244		44.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.90	1.29	1.88	2.35	3.50	4.48	44.00
1-3636-600- 5245		45.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.32	1.92	2.40	3.58	4.58	45.00
1-3636-600- 5246		46.00	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.34	1.96	2.45	3.66	4.68	46.00
1-3636-600- 5247		47.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.95	1.37	2.00	2.50	3.73	4.78	47.00
1-3636-600- 5248		48.00	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.40	2.04	2.56	3.81	4.87	48.00

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.