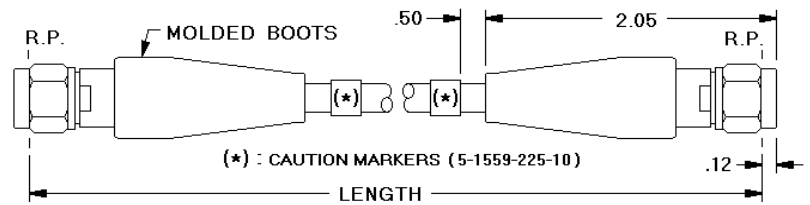


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:			50 OHMS			
CAPACITANCE NOMINAL:			28.7 pF/FOOT			
VELOCITY OF PROPAGATION, NOMINAL:			70.7 %			
RELATIVE SHIELDING:			-100.0 dB MIN.			
INSULATION RESISTANCE:			1000 MEGOHMS MIN.			
DIELECTRIC WITHSTANDING VOLTAGE:			1500 VRMS MIN.			
ELECTRICAL DELAY, NOMINAL:			1.44 ns/FOOT			
ELECTRICAL DELAY, NOMINAL:			120 ps/INCH			
PULSE RF POWER:			1250 WATTS MAX.			
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHZ) -----	1	2	4	12	18	
MAX. CW WATTS -----	106	72	48	25	19	
PHASE STABILITY DEG	0.3	0.6	1.2	3.6	5.4	
LOSS STABILITY dB----	0.01	0.01	0.01	0.03	0.05	
VSWR STABILITY----- LESS THAN 0.02 THROUGH 18 GHz.						
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.235	INCHES
MIN. ONE TIME BEND RADIUS:	1.41	INCHES
PREFERRED BEND RADIUS:	4.70	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-35 / +85	DEGREES C
MATING TORQUE:	7-10	INCH-POUNDS
CONNECTOR INTERFACE:	HYBRID SMA	MIL-STD-348



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
CABLE SLEEVE	POLYVINYLCHLORIDE	GREY OR BLACK
BOOTS:	NEOPRENE	GREY OR BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKET:	ZZ-R-765 SILICON RUBBER	RED
MARKERS:	MIL-I-23053/5	YELLOW & WHITE
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 CM
				UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		UP TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18		
KU-3636-00 6	6.0	0.25	3.3	1.10	1.15	1.20	1.25	1.30		0.21	0.28	0.35	0.50	0.63		15.2
KU-3636-0 10	10.0	0.25	3.5	1.10	1.15	1.20	1.25	1.30		0.27	0.37	0.47	0.67	0.86		25.4
KU-3636-0 12	12.0	0.25	3.7	1.10	1.15	1.20	1.25	1.30		0.30	0.42	0.52	0.76	0.98		30.5
KU-3636-0 14	14.0	0.25	3.8	1.10	1.15	1.20	1.25	1.30		0.33	0.46	0.58	0.85	1.09		35.6
KU-3636-0 15	15.0	0.25	3.8	1.10	1.15	1.20	1.25	1.30		0.35	0.49	0.61	0.89	1.15		38.1
KU-3636-0 16	16.0	0.25	3.9	1.10	1.15	1.20	1.25	1.30		0.36	0.51	0.64	0.93	1.20		40.6
KU-3636-0 18	18.0	0.25	4.0	1.10	1.15	1.20	1.25	1.30		0.39	0.55	0.70	1.02	1.32		45.7
KU-3636-0 20	20.0	0.25	4.1	1.10	1.15	1.20	1.25	1.30		0.42	0.60	0.75	1.11	1.43		50.8
KU-3636-0 24	24.0	0.25	4.4	1.10	1.15	1.20	1.25	1.30		0.48	0.69	0.87	1.29	1.66		61.0
KU-3636-0 30	30.0	0.25	4.7	1.10	1.15	1.20	1.25	1.30		0.57	0.82	1.04	1.55	2.00		76.2
KU-3636-0 36	36.0	0.36	5.0	1.10	1.15	1.20	1.25	1.30		0.66	0.96	1.21	1.81	2.35		91.4
KU-3636-0 39	39.4	0.39	5.2	1.10	1.15	1.20	1.25	1.30		0.71	1.03	1.30	1.96	2.54		100.0
KU-3636-0 40	40.0	0.40	5.3	1.10	1.15	1.20	1.25	1.30		0.72	1.04	1.32	1.99	2.57		101.5
KU-3636-0 42	42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30		0.75	1.09	1.38	2.08	2.69		106.7
KU-3636-0 48	48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30		0.84	1.22	1.55	2.34	3.03		121.9
KU-3636-0 54	54.0	0.54	6.1	1.10	1.15	1.20	1.25	1.30		0.93	1.36	1.72	2.60	3.37		137.2
KU-3636-0 60	60.0	0.60	6.4	1.10	1.15	1.20	1.25	1.30		1.02	1.49	1.89	2.86	3.71		152.4
KU-3636-0 72	72.0	0.72	7.1	1.10	1.15	1.20	1.25	1.30		1.20	1.76	2.23	3.39	4.40		182.9
KU-3636-0 84	84.0	0.84	7.8	1.10	1.15	1.20	1.25	1.30		1.38	2.03	2.58	3.92	5.08		213.4
KU-3636-0 96	96.0	0.96	8.5	1.10	1.15	1.20	1.25	1.30		1.56	2.30	2.92	4.44	5.77		243.8
KU-3636- 100	100.0	1.00	8.7	1.10	1.15	1.20	1.25	1.30		1.62	2.39	3.03	4.62	6.00		254.0
KU-3636- 108	108.0	1.08	9.2	1.10	1.15	1.20	1.25	1.30		1.74	2.57	3.26	4.97	6.45		274.3
KU-3636- 120	120.0	1.20	9.9	1.10	1.15	1.20	1.25	1.30		1.92	2.83	3.60	5.50	7.14		304.8
KU-3636- 144	144.0	1.44	11.2	1.15	1.20	1.25	1.30	1.35		2.28	3.37	4.29	6.55	8.51		365.8
KU-3636- 168	168.0	1.68	12.6	1.15	1.20	1.25	1.30	1.35		2.64	3.91	4.97	7.60	9.87		426.7
KU-3636- 180	180.4	1.80	13.3	1.15	1.20	1.25	1.30	1.35		2.82	4.18	5.32	8.14	10.58		458.1

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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