

ELECTRICAL SPECIFICATIONS

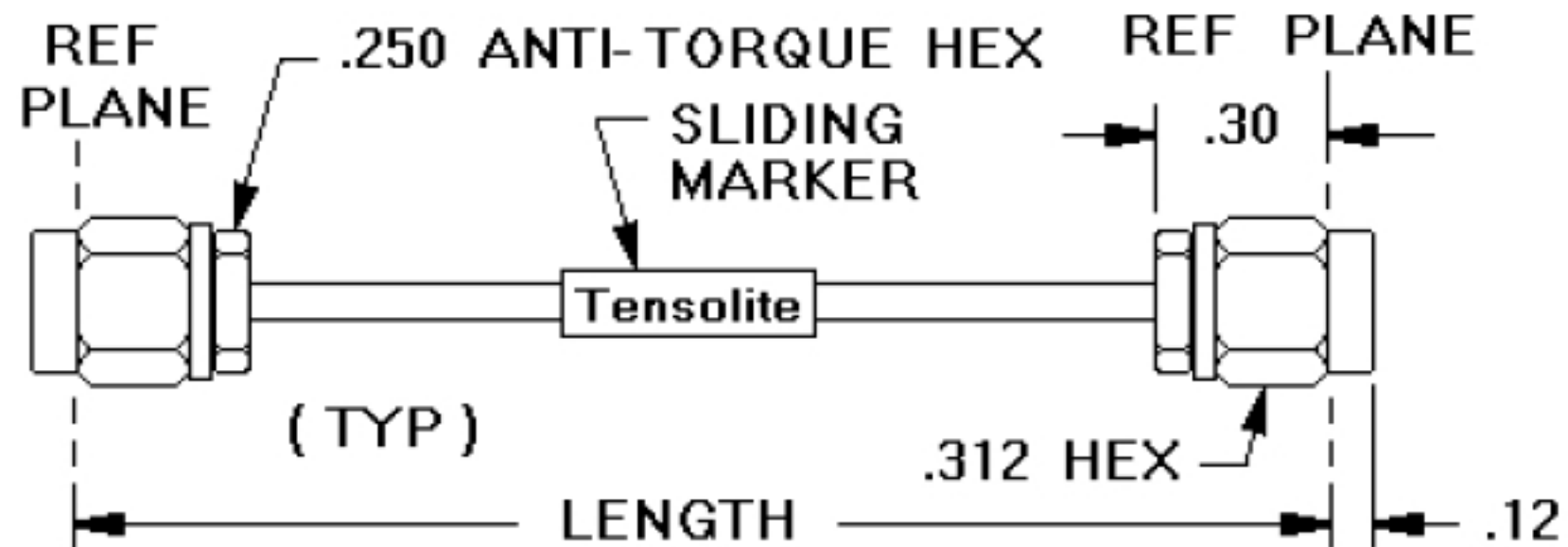
IMPEDANCE, NOMINAL:	50	OHMS
CAPACITANCE NOMINAL:	29.40	pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%
RELATIVE SHIELDING:	-100	dB MIN.
INSULATION RESISTANCE:	1000	MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.
ELECTRICAL DELAY:	1.44	ns/FOOT
ELECTRICAL DELAY:	120	ps/INCH
MAX. PULSE RF 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 --->	79	54	37	30	20	15
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05

CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS

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
CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3



MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
CONNECTOR NUTS:	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	