
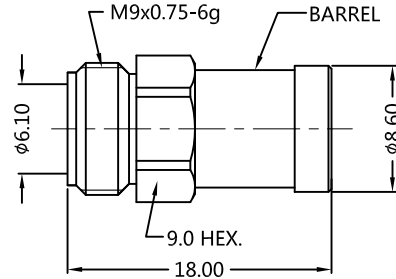
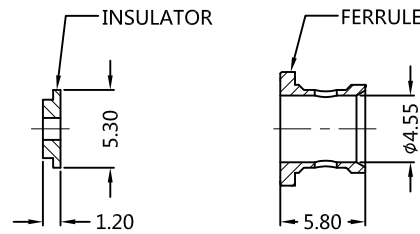
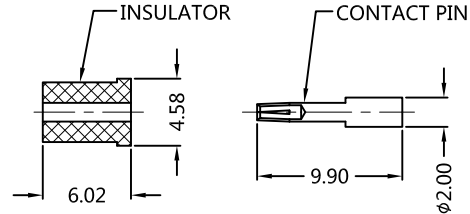
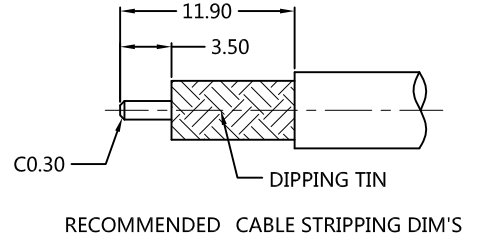
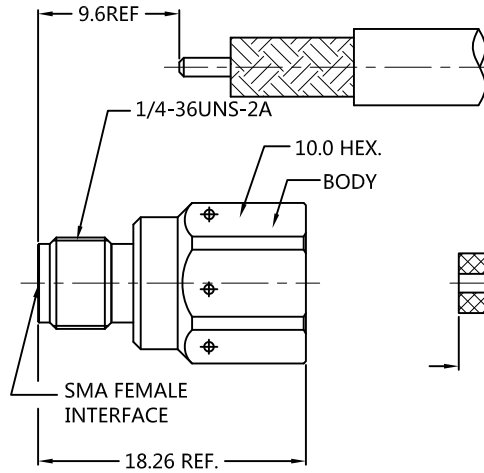
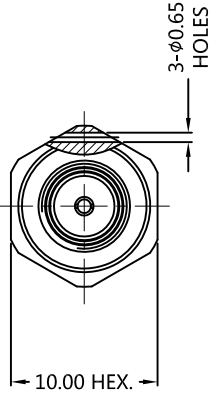


REV.	DESCRIPTION	ECN NO.	NAME	DATE	 ALL PARTS MUST MEET TO RoHS REQUIREMENTS
0	FIRST EDITION	N/A	Cloud	2015-03-04	
1	UPDATE DRAWING	N/A	WYJ	2018-03-30	
2	UPDATE DRAWING	N/A	QGZ	2020-07-10	

REMARKS:  
1. CONTACT PIN TO SOLDER



MATERIALS AND PLATING		UNIT: MICRO-INCHES
PART NAME	MATERIALS	PLATING
BODY	STAINLESS STEEL	PASSIVATION
INSULATOR	PTFE ASTM-D-1710	N/A
CONTACT PIN	BERYLLIUM COPPER	PL.GOLD50u"/NICKEL/COPPER
FERRULE	BRASS C3604	GOLD 10u"/ NICKEL /COPPER
BARREL	STAINLESS STEEL	PASSIVATION

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ω
VOLTAGE RATING	335 V(rms)
FREQUENCY RANGE	0 ~ 18 GHz
DIELECTRIC WITHSTANDING VOLTAGE	> 500 V
CONTACT RESISTANCE	CENTER CONTACT < 3.0 mΩ
	OUTER CONTACT < 2.0 mΩ
INSULATION RESISTANCE	> 5000 MΩ
INSERTION LOSS	< 0.1x√(F GHz) dB
VSWR	< 1.30
3RD INTERMODULATION	N/A

MECHANICAL CHARACTERISTICS	
FORCE TO ENGAGE AND DISENGAGE	N/A
CENTER CONTACT RETENTION FORCE	N/A
RECOMMENDED COUPLING TORQUE	7-10 in-lbs
COUPLING NUT RETENTION FORCE	> 60 lbs
DURABILITY	> 500 cycles

ENVIRONMENTAL PARAMETER	
TEMPERATURE RANGE	-40 °C ~ +125 °C
THERMAL SHOCK	MIL- STD 202, Meth. 107, Cond. B
VIBRATION	MIL- STD 202, Meth. 204, Cond. D
SHOCK	MIL- STD 202, Meth. 213, Cond. I

\* CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:  
 1) EDGES : C0.15 MAX ;  
 2) REMOVE ALL BURRS ;  
 3) SURFACE ROUGHNESS : Ra1.6 ;  
 4) UNITS : mm ;  
 5) DIMENSIONS TOLERANCES  
 DECIMALS : .x ±0.3 .xx ±0.2 .xxx ±0.1;  
 ANGLES : ± 5°.

THIRD ANGLE PROJECTION



APPROVED :

CUSTOMER P/N :

CHECKED :

SCALE :

1 : 1

DRAWING :

DATE : 2020-07-07

PAGE : 1/1



TITLE : SMA FEMALE S/T FOR HF-090 CABLE, 50Ω

DRAWING NO. : 5MAF15S-A231-001

COMPANY WEBSITE : www.slkcorp.com

CUSTOMER OUTLINE DRAWING