
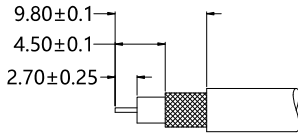
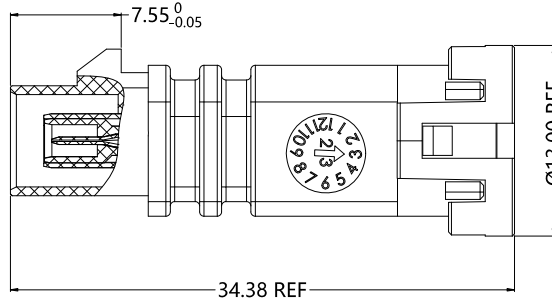
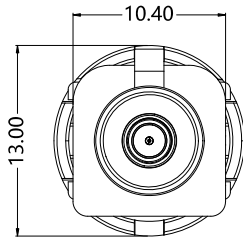
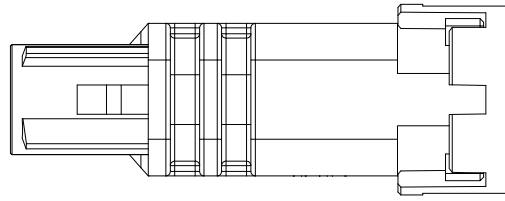


REV.	DESCRIPTION	ECN NO.	NAME	DATE	 ALL PARTS MUST MEET TO RoHS REQUIREMENTS
0	FIRST EDITION	N/A	Ming	2023-10-25	



RECOMMENDED
CABLE STRIPPING DIM'S

MATERIALS AND PLATING		UNIT: MICRO-INCHES
PART NAME	MATERIALS	PLATING
BODY	ZINC ALLOY	TIN PLATING THICK 100u"
INSULATOR	LCP	N/A
CONTACT PIN	COPPER ALLOY	PL.GOLD /NICKEL/COPPER
SHELL	PA	N/A
TUBE	BRASS	Nickel PLATING THICK 80u"
GASKET	HTV	N/A
CABLE TYPE: RG174		

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ω
VOLTAGE RATING	250 V(rms)
FREQUENCY RANGE	DC ~ 6 GHz
DIELECTRIC WITHSTANDING VOLTAGE	> 800 V
CONTACT RESISTANCE	CENTER CONTACT
	OUTER CONTACT
INSULATION RESISTANCE	> 1000 MΩ
INSERTION LOSS	< 0.15 * √ f GHz
VSWR	< 1.35 @ DC~2 GHz < 1.45 @ 2~4 GHz < 1.55 @ 4~6 GHz
3RD INTERMODULATION	N/A

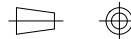
MECHANICAL CHARACTERISTICS	
MATING FORCE	≤ 25 N
DISENGAGEMENT FORCE	≥ 2N
CONNECTOR DISENGAGE WITH LOCK	≥ 110N
UNMATING FORCE WITH LOCK DISENGAGED	≤ 75 N
DURABILITY	≥ 100cycles

ENVIRONMENTAL PARAMETER	
TEMPERATURE RANGE	-40 °C ~ +105 °C
WATERTIGHTNESS	IP67

* 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 : 2023-10-25


PAGE : 1/2

















TITLE : FAKRA MALE, WATERPROOF FOR CABLE RG174 CABLE

DRAWING NO. : 5FKM1*S-A02-100

COMPANY WEBSITE : www.slkcorp.com

REV.	DESCRIPTION	ECN NO.	NAME	DATE	 ALL PARTS MUST MEET TO RoHS REQUIREMENTS
0	FIRST EDITION	N/A	Ming	2023-10-25	

Mechanical and Color Coding			
SLK P/N	Color	Coding	
5FKM1AS-A02-100	Deep Black	A	
5FKM1BS-A02-100	Signal White	B	
5FKM1CS-A02-100	Signal Blue	C	
5FKM1DS-A02-100	Bordeaux Violet	D	
5FKM1ES-A02-100	Leaf Green	E	
5FKM1FS-A02-100	Brown	F	
5FKM1GS-A02-100	Blue Grey	G	
5FKM1HS-A02-100	Heather Violet	H	
5FKM1IS-A02-100	Beige	I	
5FKM1KS-A02-100	Curry Yellow	K	
5FKM1LS-A02-100	Carmine-red	L	
5FKM1MS-A02-100	Pastel orange	M	
5FKM1NS-A02-100	Pastel green	N	
5FKM1ZS-A02-100	Water Blue	Z	

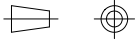

MATERIALS AND PLATING UNIT: MICRO-INCHES		
PART NAME	MATERIALS	PLATING
BODY	ZINC ALLOY	TIN PLATING THICK 100u"
INSULATOR	LCP	N/A
CONTACT PIN	COPPER ALLOY	PL.GOLD /NICKEL/COPPER
SHELL	PA	N/A
TUBE	BRASS	Nickel PLATING THICK 80u"
GASKET	HTV	N/A
CABLE TYPE: RG174		

ELECTRICAL CHARACTERISTICS		
IMPEDANCE	50 Ω	
VOLTAGE RATING	250 V(rms)	
FREQUENCY RANGE	DC ~ 6 GHz	
DIELECTRIC WITHSTANDING VOLTAGE	> 800 V	
CONTACT RESISTANCE	CENTER CONTACT	< 5.0 mΩ
	OUTER CONTACT	< 2.5 mΩ
INSULATION RESISTANCE	> 1000 MΩ	
INSERTION LOSS	< 0.15 * √ f GHz	
VSWR	< 1.35 @ DC~2 GHz < 1.45 @ 2~4 GHz < 1.55 @ 4~6 GHz	
3RD INTERMODULATION	N/A	

MECHANICAL CHARACTERISTICS	
MATING FORCE	≤ 25 N
DISENGAGEMENT FORCE	≥ 2N
CONNECTOR DISENGAGE WITH LOCK	≥ 110N
UNMATING FORCE WITH LOCK DISENGAGED	≤ 75 N
DURABILITY	≥ 100cycles

ENVIRONMENTAL PARAMETER	
TEMPERATURE RANGE	-40 °C ~ +105 °C
WATERTIGHTNESS	IP67

*** 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		 TITLE : FAKRA MALE, WATERPROOF FOR CABLE RG174 CABLE DRAWING NO. : 5FKM1*S-A02-100 COMPANY WEBSITE : www.slkcorp.com
	APPROVED :	CUSTOMER P/N :	
	CHECKED :	SCALE : 1 : 1	
	DRAWING :	DATE : 2023-10-25	
PAGE : 2/2			