REV.	DESCRIPTION	ECN NO.	NAME	DATE
2	UPDATE DRAWING		Wayne	2025/10/21

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

NOTES:

1.MATERIALS AND FINISH
BODY:ZINC ALLOY, TIN PLATING THICK 100u" /NICKEL/COPPER
INSULATOR: HTN 51G15HSL BK083
CONTACT PIN: BRASS, PL.GOLD3u"/NICKEL
HOUSING: PA10T 30%GF △2

2. ELECTRICAL DATA
A.IMPEDANCE:50 Ω;
B.FREQUENCY RANGE:DC to 6GHz;
C.INSERTION LOSS:$<0.15 * \sqrt{f\ GHz}$
D.RETURN LOSS REQUIREMENT

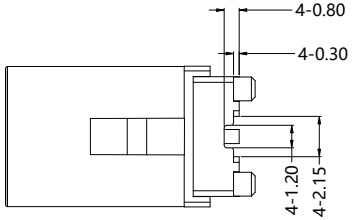
FREQUENCY,GHz	RETURN LOSS	VSWR
$0.01 < f \le 2$	< -15.56 dB	< 1.4
$2 < f \le 3$	< -13.98 dB	< 1.5
$3 < f \le 6$	< -12.74 dB	< 1.6

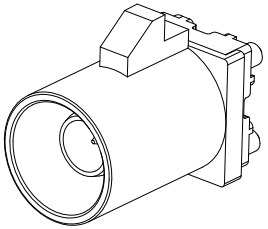
E.DIELECTRIC WITHSTANDING VOLTAGE : 800 V rms
F.INSULATION RESISTANCE>1000 MΩ

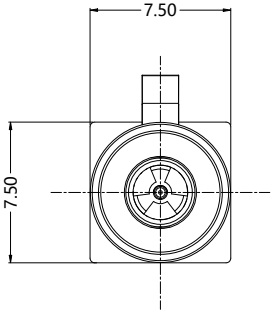
3.MECHANICAL DATA:
A.MATING FORCE ≤ 25 N ;
B.DISENGAGEMENT FORCE≥2N
C.CONNECTOR DISENGAGE WITH LOCK≥110N
D.UNMATING FORCE WITH LOCK DISENGAGED≤ 75 N
E. DURABILITY≥100CYCLES

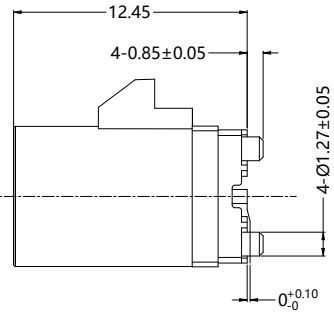
4. THE MAXIMUM SOLDERING PEAK IS 260℃/10S
QUALIFIED FOR TWO REFLOW SOLDERING CYCLES

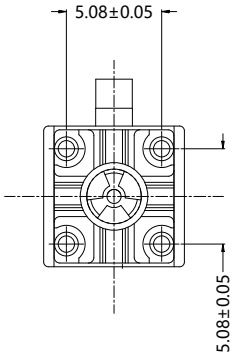
5.TEMPERATURE RANGE:-40°C To +105°C



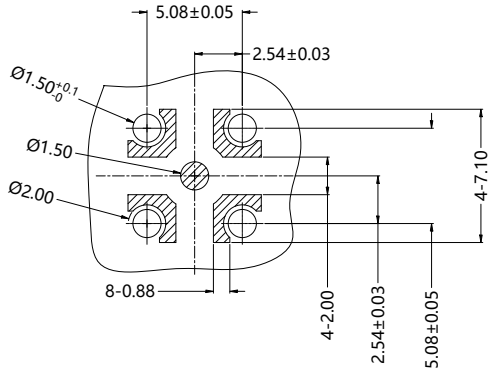








Mechanical and Color Coding			
P/N	Color	Coding	RAL NO.
5FKM2AS-P41-003	Black	A	9005
5FKM2BS-P41-003	White	B	9001
5FKM2CS-P41-003	Blue	C	5005
5FKM2DS-P41-003	Bordeaux Violet	D	4004
5FKM2ES-P41-003	Green	E	6002
5FKM2FS-P41-003	Brown	F	8011
5FKM2GS-P41-003	Grey	G	7031
5FKM2HS-P41-003	Violet	H	4003
5FKM2IS-P41-003	Beige	I	1001
5FKM2KS-P41-003	Curry	K	1027
5FKM2LS-P41-003	Carmine-red	L	3002
5FKM2MS-P41-003	Pastel orange	M	2003
5FKM2NS-P41-003	Pastel green	N	6019
5FKM2ZS-P41-003	Water Blue	Z	5021



RECOMMENDED
PCB LAYOUT

CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
1) EDGES: C0.20 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: ±3° AXIALITY: 0.35

THIRD ANGLE PROJECTION		CUSTOMER P/N:	
APPROVE:	APPROVED	PNUM:	
STANDARD:	STANDARDS	LIFT STAGE:	
PROCESS:	PROCESSES	SCALE:	2.5:1
CHECK:	CHECKED	FRAME:	A4
DRAWING:	Wayne	PAGE:	1/2
		DATE:	2025/10/21

SLK®

TITLE:
FAKRA 1WAY PLUG S/T FOR PCB CONNECTOR

PRODUCT P/N:
5FKM2*S-P41-003

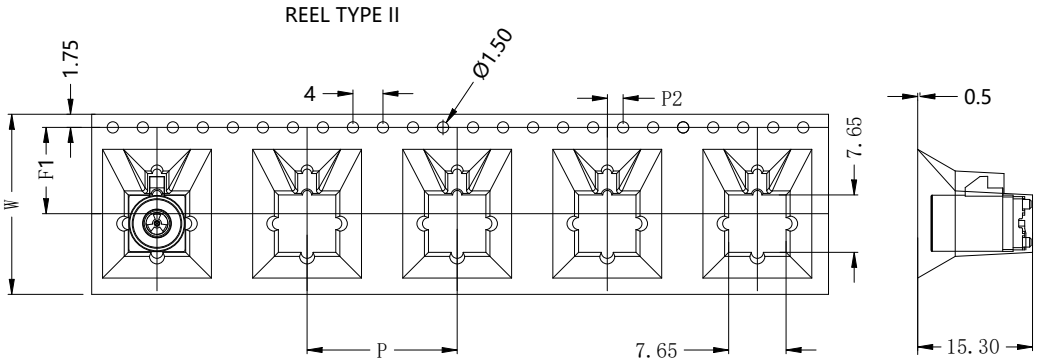
WEBSITE : www.slkcorp.com | PLM V2.3

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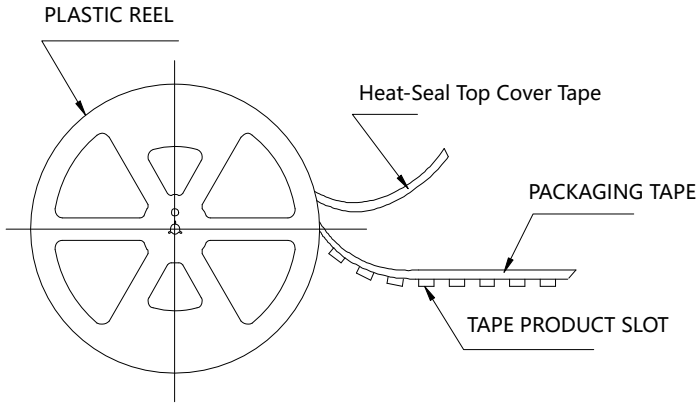
ALL PARTS MUST MEET TO RoHS REQUIREMENTS

NOTES:
1.SINGLE PRODUCT WEIGHT:1.12g/PCS
PACKAGE STYLE: 200PCS/REEL,1200PCS/BOX(3.4Kg)
ORIGIN:SLK

■Reel Dimensions Diagram (Based on EIA-481-C Standard).



■ Plastic Reel Specifications (Based on EIAJ ET-7200B)



■ Size table (packaging tape, plastic reel packaging)

SLK P/N	PRODUCT SPECIFICATIONS	REEL TYPE	W	F1	P	P2	1 Reel pack quantity
5FKM2*S-P41-003	FAKRA PLUG S/T	TYPE II	24	11.5	20	2	200pcs

CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
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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: ±3° AXIALITY: 0.35

THIRD ANGLE PROJECTION		CUSTOMER P/N:	
APPROVE:	APPROVED	PNUM:	
STANDARD:	STANDARDS	LIFT STAGE:	
PROCESS:	PROCESSES	SCALE:	1:1
CHECK:	CHECKED	FRAME:	A4
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TITLE:
FAKRA 1WAY PLUG S/T FOR PCB CONNECTOR
PRODUCT P/N:
5FKM2*S-P41-003
WEBSITE : www.slkcorp.com