



### ELECTRICAL:

1. Impedance:  $50 \Omega$  ;
2. Frequency: DC~18GHz;
3. VSWR/Return Loss:  $\leq 1.12$ ;
4. Insertion Loss:  $\leq 0.06 \sqrt{\text{fdB}}$ ;
5. Insulation Resistance:  $\geq 5000M \Omega$  ;
6. Dielectric Withstanding Voltage(AC): 500 Vrms;
7. Cable Type: CFS520.

### ENVIRONMENTAL & MECHANICAL:

1. Temperature Range:  $-55^{\circ}\text{C} \sim +155^{\circ}\text{C}$ ;
2. RoHS: Compliant.

### MATERIAL & PLATING:

1. Contact: Beryllium Copper, Gold;
2. Insulation: PTFE;
3. Outer Conductor: Stainless steel, Passivated.

All dimensions are in mm,  
all angles are in degrees.

TITLE		PART NO.	SMA-KCFS520-1	
RF Coaxial Connector		DWG. NO.	---	
		DATE	---	
TOLERANCES UNLESS OTHERWISE SPECIFIED		Mechanc (Shanghai) Information Technology Co., Ltd. <a href="http://www.mechanc.com">www.mechanc.com</a> <a href="mailto:sales@mechanc.com">sales@mechanc.com</a>		
X $\pm 0.50$ XX $\pm 0.10$ X $\pm 0.20$ ANGLES $\pm 1^{\circ}$	SCALE			VIEW DIRECTION
	6:1			
SHEET: 1/1	REV.	V1.0		