

Characteristic impedance	50 Ω	
Frequency range	DC to 6 GHz	
Standing wave ratio(VSWR)	≤1.20 (DC~6GHz)	
withstand voltage	≤0.1 x √f (GHz) dB	
working voltage	335 V rms	
Test voltage	1000 V rms	
Insulation resistance	≥5000M Ω	
Center pin contact resistance	≤3m Ω	
Conductor contact resistance	≤2.5m Ω	
Center conductor retention force	≥0.28N	
Intermodulation 3rd order	N\A	
Mechanical and environment		
Temperature range	-40~+155℃	
Salt spray test time	48H	
Airtight	N\A	
durability	≥500 cycles	
Materials		
Connector parts	Material	Plating
Center contact	bronze	Au
Outer contact	brass	Au
Dielectric	PTFE	

Technical drawing of a mechanical part, showing a side view and a top view.

Side View Dimensions:

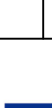
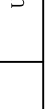
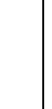
- Total length: 14.5
- Main body length: 8.5
- Shoulder width: 2.5
- Base diameter: 8

Top View Dimensions:

- Central hole diameter: $2-\varnothing 2.6$
- Corner chamfer: 2A

Technical drawing of a mechanical part showing a cross-section. The drawing includes the following dimensions and features:

- A horizontal dimension of 12.2 ± 0.1 indicating the distance between the center of a hole and the center of a threaded section.
- A vertical dimension of $1/4-36UN$ indicating the thread specification.
- A hole with a diameter of $\phi 16$.
- A threaded section with a diameter of $\phi 1$.
- A base diameter of $\phi 1.3$.

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE									
Any statements in this article shall not be interpreted as suggesting infringement of existing patents. Individual values may vary depending on factors including but not limited to application, design, cable type, assembly, and others workmanship									
STANDARD TOLERANCES (Unless stated otherwise)				Product design			<div>戴盛通信 Dashing Com-Tek Co., Ltd</div>		
Geometric tolerances	Positional tolerance		Design						
			Drawn						
			Workmanship						
			Checked						
ANGLE $\pm 1^\circ$	0-6	± 0.1	± 0.05				TITLE: SMA-50KFDa-8-0.5		
	6-10	± 0.1	± 0.05						
	10-30	± 0.15	± 0.10						
Scale:			Approvals				Drawing No. : DS3. 650. 1687		
			As mension						
Company website: http://www.dai.sheng.net / Email: ds168@dai.sheng.net									