Reversion	Engineering Change Description	Date	Owner
A/0	NEW	2019.10.16	ZXM

Electrical performance

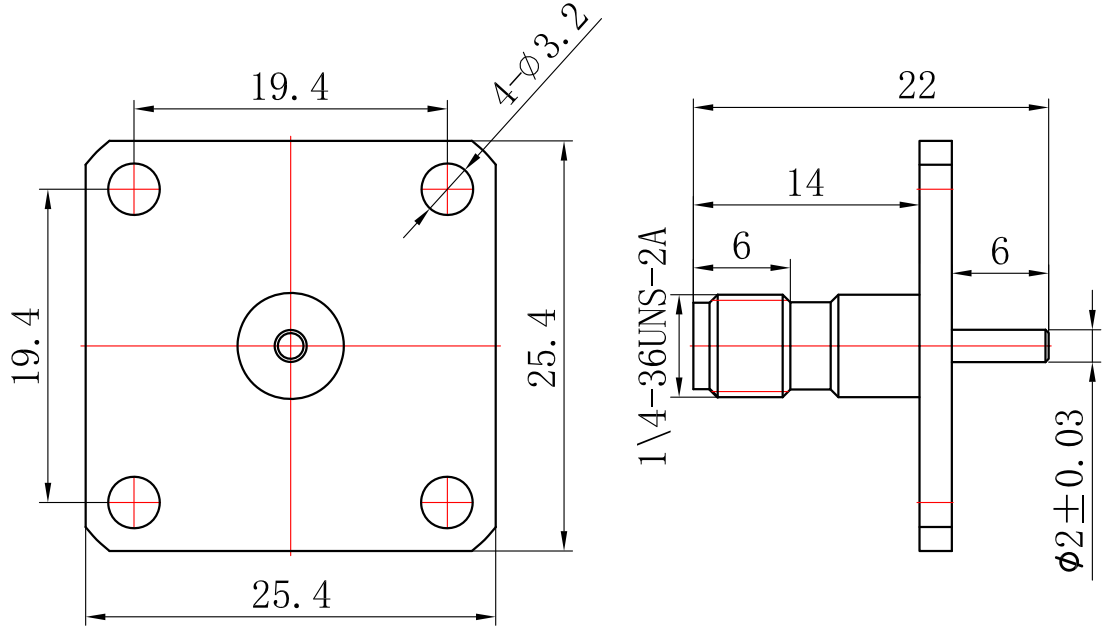
Characteristic impedance	50Ω
Frequency range	DC to 8 GHz
Standing wave ratio(VSWR)	≤1.20(DC～8GHz)
withstand voltage	≤0.1 x √f(GHz) dB
working voltage	335 V rms
Test voltage	1000 V rms
Insulation resistance	≥5000MΩ
Center pin contact resistance	≤3mΩ
Conductor contact resistance	≤2.5mΩ
Center conductor retention force	≥0.28N
Intermodulation 3rd order	N\A

Mechanical and environment

Tempreture range	-40～+155℃
Salt spray test time	48H
Airtight	N\A
durability	≥500 cycles

Materials

Connector parts	Material	Plating
Center contact	QBe	Au
Outer contact	brass	CuSnZn
Dielectric	PTFE	



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)

Geometric tolerances	Positional tolerance	X	.X
	0-6	±0.1	±0.05
	6-10	±0.1	±0.05
ANGLE ±1°	10-30	±0.15	±0.10
	>30	±0.15	±0.10
Scale:			

Product design	
Design	
Drawn	
Workmanship	
Checked	
Approvals	
As mension	

DaShing 戴盛通信 Dashing Com-Tek Co., Ltd

TITLE: SMA-50KFD-6

Drawing No.: DS3.650.2042

Company website: http://www.daisheng.net / Email: ds168@daisheng.net