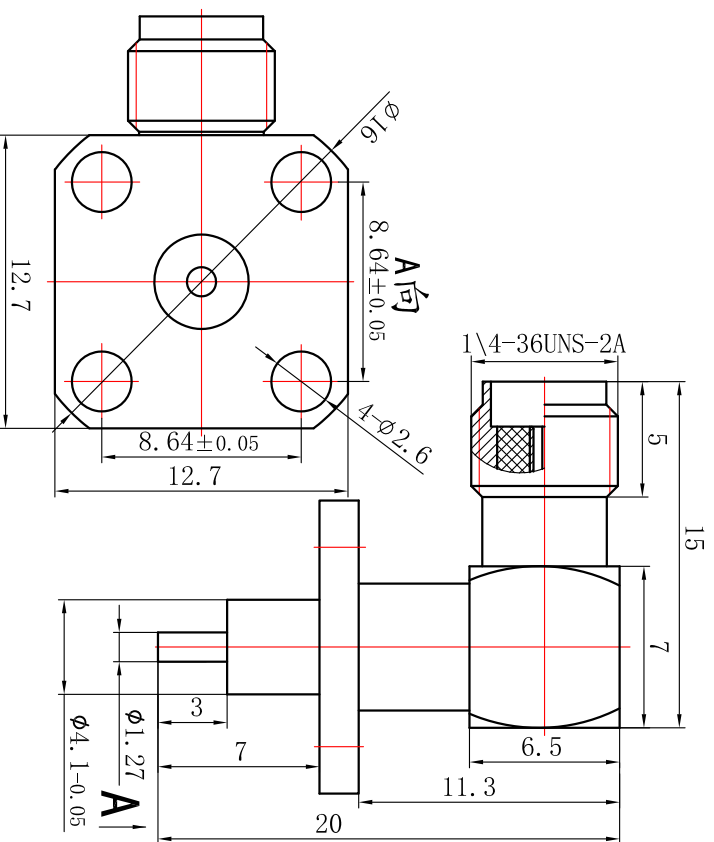



Reversion	Engineering Change Description	Date	Owner
A/0	NEW	2010.05.04	ZXM

Electrical performance	
Characteristic impedance	50 Ω
Frequency range	DC to 8 GHz
Standing wave ratio(VSWR)	$\leq 1.15$ (DC~8GHz)
withstand voltage	$\leq 0.1 \times \sqrt{f}$ (GHz) dB
working voltage	335 V rms
Test voltage	1000 V rms
Insulation resistance	$\geq 5000M\Omega$
Center pin contact resistance	$\leq 3m\Omega$
Conductor contact resistance	$\leq 2.5m\Omega$
Center conductor retention force	$\geq 0.28N$
Intermodulation 3rd order	N/A

Mechanical and environment	
Temperature range	-40~+155°C
Salt spray test time	48H
Airtight	N/A
durability	$\geq 500$ cycles

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



CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		STANDARD TOLERANCES (Unless stated otherwise)		Product design		 <b>戴盛通信</b> Dashing Com-Tek Co., Ltd												
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	Geometric tolerances	Positional tolerance	X	.X	Design	Drawn	TITLE: SMA-50KWFD											
					Workmanship	Checked												
					Approvals													
					As mension													
	Geometric tolerances ANGLE $\pm 1^\circ$ Scale:	<table border="1"> <tr> <td>0-6</td> <td><math>\pm 0.1</math></td> <td><math>\pm 0.05</math></td> </tr> <tr> <td>6-10</td> <td><math>\pm 0.1</math></td> <td><math>\pm 0.05</math></td> </tr> <tr> <td>10-30</td> <td><math>\pm 0.15</math></td> <td><math>\pm 0.10</math></td> </tr> <tr> <td>&gt;30</td> <td><math>\pm 0.15</math></td> <td><math>\pm 0.10</math></td> </tr> </table>	0-6	$\pm 0.1$	$\pm 0.05$	6-10	$\pm 0.1$	$\pm 0.05$	10-30	$\pm 0.15$	$\pm 0.10$	>30	$\pm 0.15$	$\pm 0.10$				
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				Drawing No. : DSS3.650.043		Company website: <a href="http://www.dai sheng.net">http://www.dai sheng.net</a> / Email: ds168@dai sheng.net												