

CAC Technology® Data Sheet

RF Coaxial Cable P/N: 22P1

Description

22P1

the LF PTFE of dielectric semi-rigid coaxial cable, high performance microwave cable.



Construction

Inner Conductor	① Silver Plated Copper	$0.55\text{mm} \pm 0.02$
Dielectric	② LD PTFE	$1.68 \pm 0.05\text{mm}$
Outer Conductor	③ Seamless Annealed Copper Tube	$2.18 \pm 0.05\text{mm}$

Electrical Data

Impedance	50 ohm
Max. operating frequency	26.5 GHz
Velocity of signal propagation	76%
Shielding effectiveness	> 165 dB (@1 GHz)
Max. operating voltage	1000V

Mechanical Data

Weight	19g/ m
Min. bending radius	static 7 mm

Environmental Data

Temperature range	-60 °C ~ + 250 °C
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
GHz	dB/100m	dB/100ft	W
1	54.99	16.76	258.01
2	78.12	23.81	181.62
3	96.01	29.26	147.78
4	111.18	33.89	127.61
5	124.62	37.98	113.85
6	136.83	41.71	103.69
7	148.11	45.14	95.80
8	158.64	48.35	89.43
9	168.57	51.38	84.17
10	178.00	54.25	79.71
11	187.00	57.00	75.87
12	195.62	59.62	72.53
13	203.91	62.15	69.58
14	211.91	64.59	66.95
15	219.66	66.95	64.59
16	227.16	69.24	62.46
17	234.46	71.46	60.51
18	241.56	73.63	58.73
19	248.49	75.74	57.10
20	255.24	77.80	55.59
21	261.85	79.81	54.18
22	268.32	81.78	52.88
23	274.65	83.71	51.66
24	280.86	85.61	50.52
25	286.96	87.46	49.44
26	292.94	89.29	48.43
26.5	295.90	90.19	47.95

Version	Drawn/date	Check/date
01	Jinyuan 2012.10.18	wangzhen 2012.10.19

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Hefei CAC Electronic Technology Co.,Ltd.

Tel: 0086-551-63718423

Fax:0086-551-63718413

www.cactechnology.com