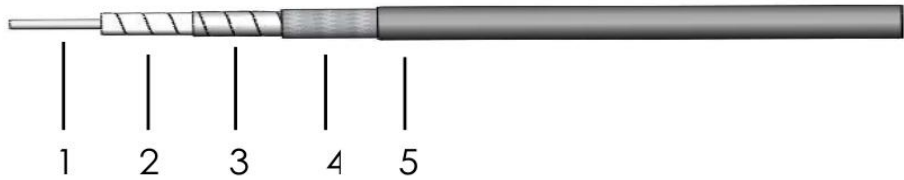


CTAD-220



Low Loss Phase RF cable



Construction Specification

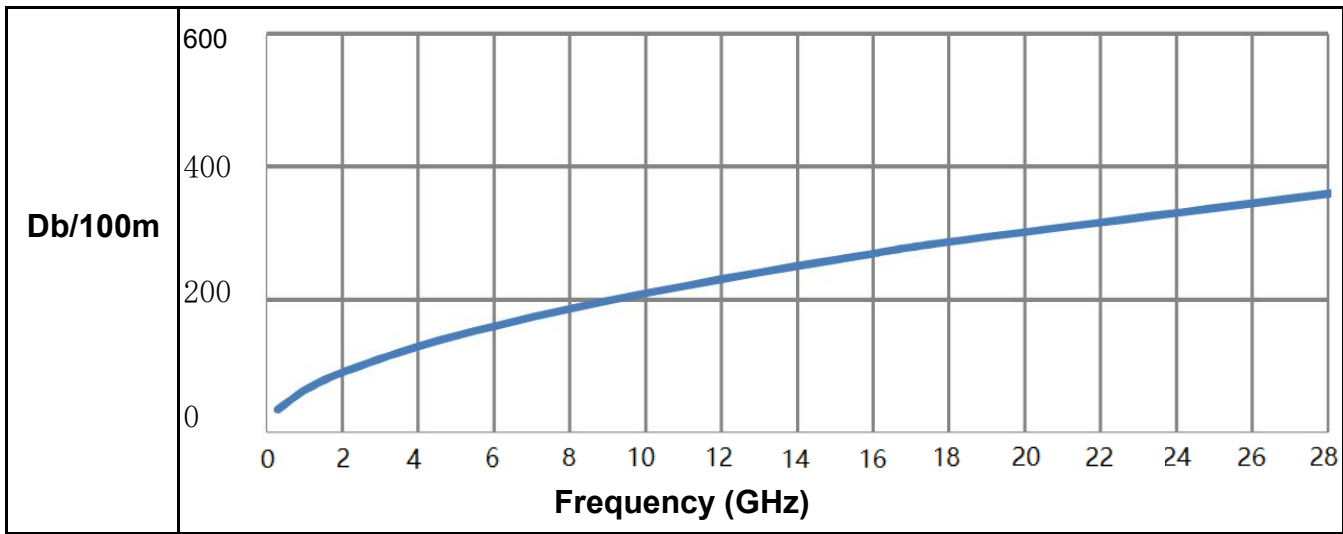
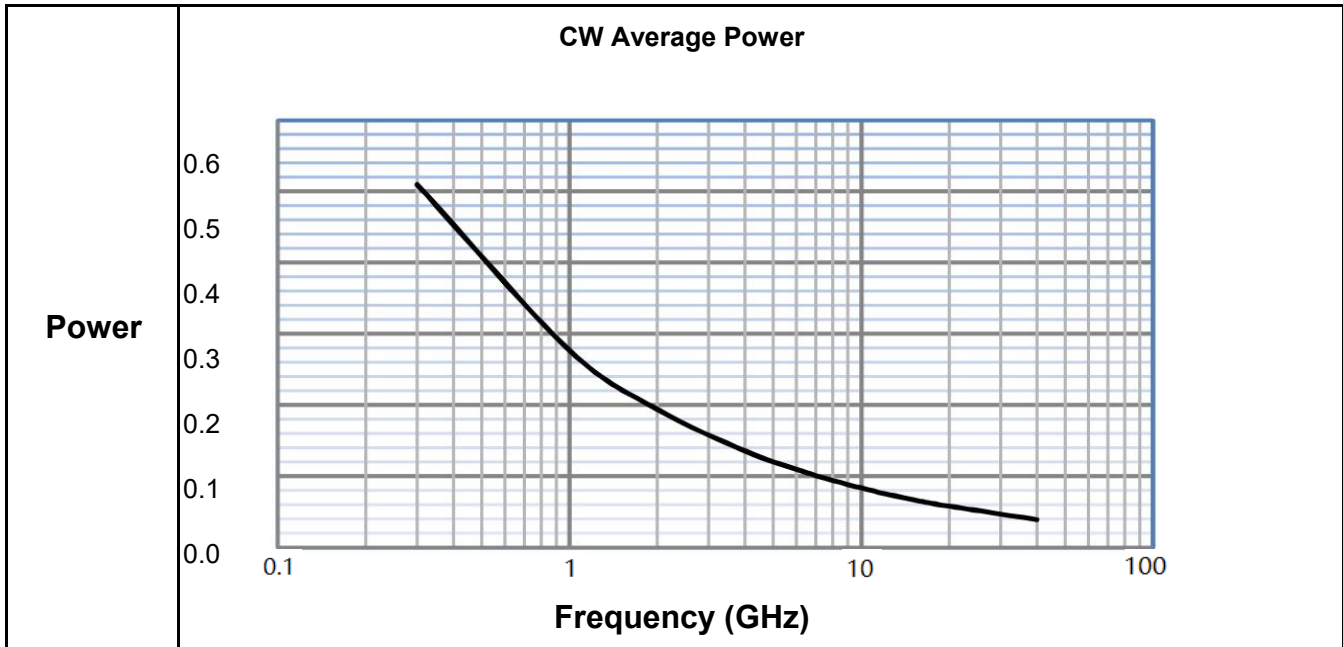
structure	Diameter(mm)	tolerance	Materials
1.Inner Conductor	0.51	±0.02	Silver Plated Copper
2.Dielectric	1.43	±0.05	LD-PTFE
3.Outer Conductor	1.55	±0.05	Silver Plated Copper strip
4.Braid	1.85	±0.05	Silver plated copper wire
5.Jacket	2.20	±0.1	FEP

Electrical Characteristics

Frequency(GHz)	DC to 67GHz
Impedance	50Ohm
Velocity(%)	80%
Temp., Phase, -40 to +85°	780PPM
VSWR	≤1.35
Shielding Efficiency(dB)	>90
Withstand Voltage(V, DC)	500

Mechanical Characteristics

Min.Bending Radius with Install (mm)	11
Min.Bending Radius with Repeat (mm)	22
Weight (g/m)	18
Bend Phase, Around 22mm cylinder rotate 360°	10°
Operating Temp.(°C)	-55 to 125
storage Temp.(°C)	-65 to 125



Attenuation (@25°C&VSWR=1.0) and transmission power (@40°C&One standard atmosphere)

Frequency (MHz)	dB/100M	Average Power(KW)
300	34.3	0.510
1000	63.3	0.277
2000	90.3	0.194
4000	129.3	0.135
6000	159.8	0.110
8000	185.9	0.094
10000	209.3	0.084
12000	230.7	0.076
14000	250.5	0.070
16000	269.2	0.065
18000	286.9	0.061
40000	445.2	0.039

Note: K1=1.9600000, K2=0.0013300 Formulas= $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$