

FSD-086-TM

P/N 9602

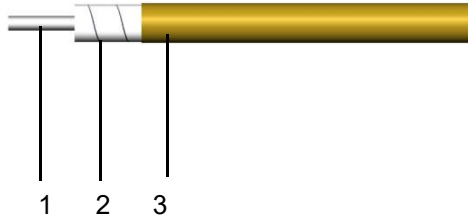
High Performance Low Loss Semi-Rigid Coax Cable

Ver A Release Date Jan, 2013



Features&Benefits

- LD-PTDE Tape Wrapping Core
- Ultra Low Loss, Excellent size stable vs. temp
- Equivalent to CLL-50086
- Replace to UT-085-TP-LL



Construction Specification

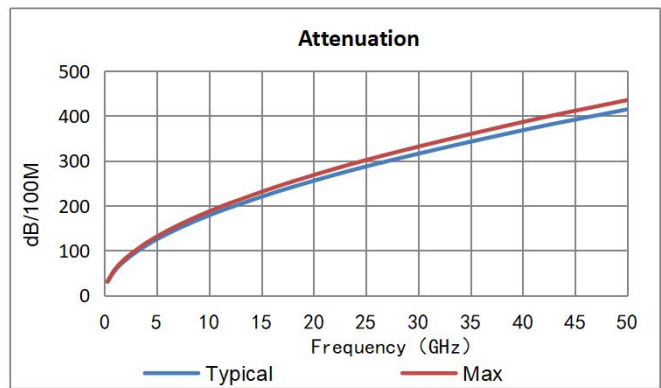
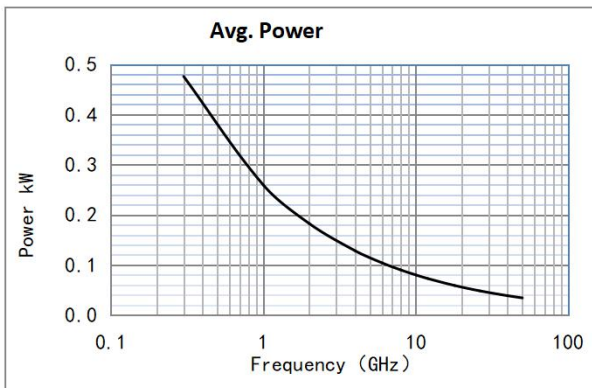
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.56	±0.02	SPC
2	Dielectric	1.68	±0.05	LD PTFE
3	Outer conductor	2.18	±0.05	Seamless Copper Tube Tri-Metal Plating

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	7
Bend Radius:repeated (mm)	N/A
Weight (g/m)	19
Temp, Operating&Installation (°C)	-60~250
Temp, Storage (°C)	-65~250

Electrical Specifications

Operation Frequency (GHz)	50
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	165
Voltage Withstand (V,DC)	600



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	18000	26500	40000	50000
dB/100 m	30.0	55.0	78.2	111.3	136.9	158.7	178.1	195.7	241.7	296.0	368.0	414.6
Avg.Power kW	0.476	0.259	0.183	0.128	0.104	0.090	0.080	0.073	0.059	0.048	0.039	0.034
	K1= 1.7220000					K2= 0.0005900						

$$\text{Calculate Attenuation} = K1 * \sqrt{\text{FMHz}} + K2 * \text{FMHz}$$

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