

MMCLLCB31S

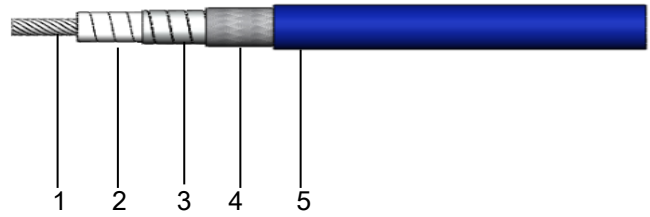
Ultra Low Loss Phase Stable Coax Cable



Your Source for R/F And Microwave Components

Features & Benefits

- 83%Vp PTFE Tape+SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Equivalent to cnx3507
- Replace to UFB142A, HF130,IW1401,



Construction Specification

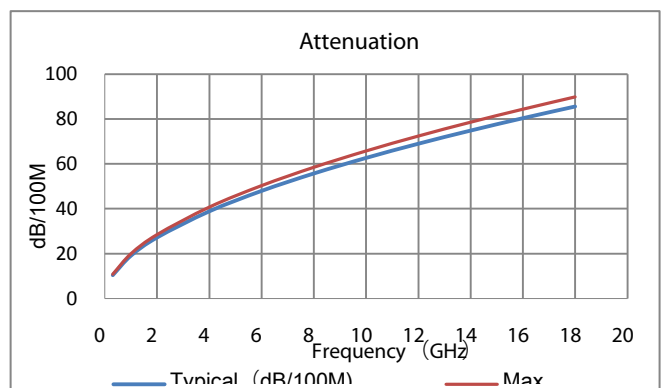
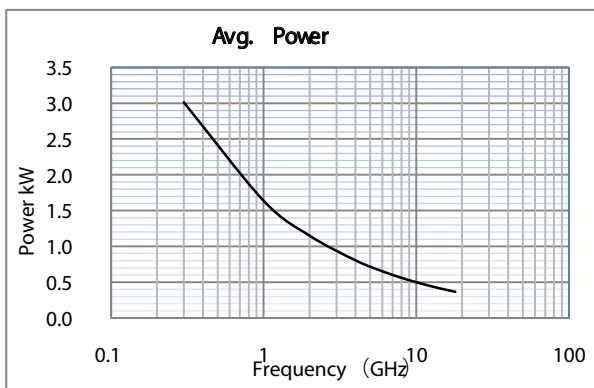
	Description	Size (mm)	Tol.	Materials
1	Center conductor	2.30	±0.03	HF1
2	Dielectric	6.20	N/A	LD PTFE
3	Outer conductor	6.48	6.5 Max	Silver Plated Copper Foil
4	Shielding	6.93	7.1 Max	Silver Plated Copper
5	Jacket	7.80	±0.15	Blue FEP

Mechanical & Environmental Specifications

Bend Radius:installation (mm)	35
Bend Radius:repeated (mm)	80
Weight (g/m)	45
Temp, Operating&Installation (°C)	-55~165
Temp, Storage (°C)	-65~165

Electrical Specifications

Operation Frequency (GHz)	18
Impedance (Ohms)	50
Velocity of Propagation	83%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	2000



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	14000	16000	18000		
dB/100 m	10.4	19.1	27.2	38.8	47.9	55.7	62.6	68.9	74.8	80.3	85.5		
Avg.Power kW	3.012	1.637	1.149	0.805	0.652	0.561	0.499	0.453	0.418	0.389	0.365		
	K1= 0.5932940					K2= 0.0003280							

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

2460 W. Ray Rd., Ste. 2
 Chandler, AZ 85224
 T. 480.890.1612 F. 480-890-2150
 sales@mesamicrowave.com
 www.mesamicrowave.com