

# FSB-360

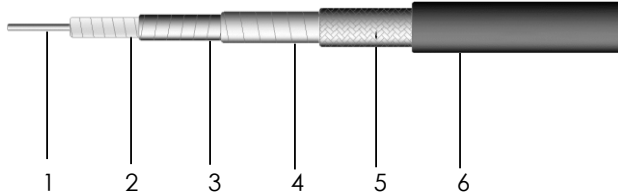
Ultra Low Loss Phase Stable Coax Cable

Ver B Release Date Jun, 2017



## Features&Benefits

- 82%Vp PTFE Tape+SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Equivalent to cnx3507
- Replace to UFB142A, HF130,IW1401,



## Construction Specification

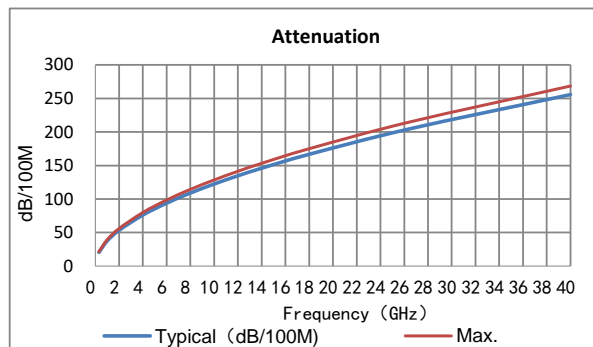
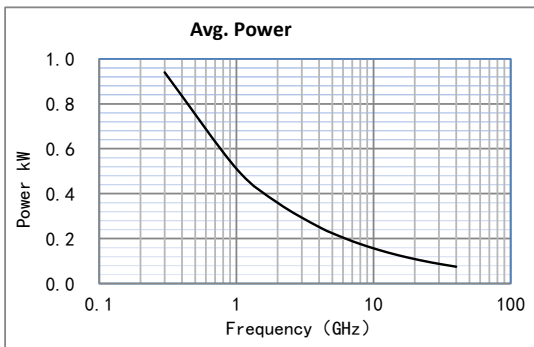
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.91	±0.03	Silver Plated Copper
2	Dielectric	2.50	±0.05	LD PTFE
3	Outer conductor	2.70	±0.05	Silver Plated Copper Foil
4	Protective layer	2.75	±0.05	PET
5	Outer shield	3.16	±0.12	Silver Plated Copper
6	Jacket	3.60	±0.15	Gray FEP

## Mechanical&Environmental Specifications

Bend Radius:installation (mm)	18
Bend Radius:repeated (mm)	36
Weight (g/m)	33
Temp, Operating&Installation (°C)	-55 ~ 165
Temp, Storage (°C)	-65 ~ 165

## Electrical Specifications

Operation Frequency (GHz)	40	Bending Phase(@40GHz)	± 8°
Impedance (Ohms)	50	Temp Phase(@-55~85°C)	600PPM
Velocity of Propagation	82%		
Shielding Effectiveness (dB)	90		
Voltage Withstand (V,DC)	900		



## 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	18000	26500	40000
dB/100 m	20.40	37.50	53.36	76.10	93.81	108.91	122.35	134.60	145.96	166.67	204.79	255.69
Avg.Power kW	0.940	0.511	0.359	0.252	0.204	0.176	0.157	0.142	0.131	0.115	0.094	0.075
	K1= 1.1684700					K2= 0.0005500						

Calculate Attenuation= K1\* √FMHz+K2\*FMHz

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Website: www.microwavetown.com