

**FSA-520**

**P/N 9907**

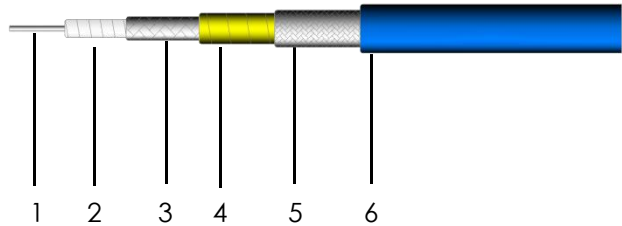


**High Performance Low Loss Coax Cable**

Ver B Release Date May, 2017

**Features&Benefits**

- 76%Vp PTFE Tape+SPC Ribbon+Tri-Sheild
- Low Loss, Better bending performance,Durable
- Equivalent to SFT-205
- Replace to HP190s, UFA205A,LL142, SUCOFLEX-104,32055



**Construction Specification**

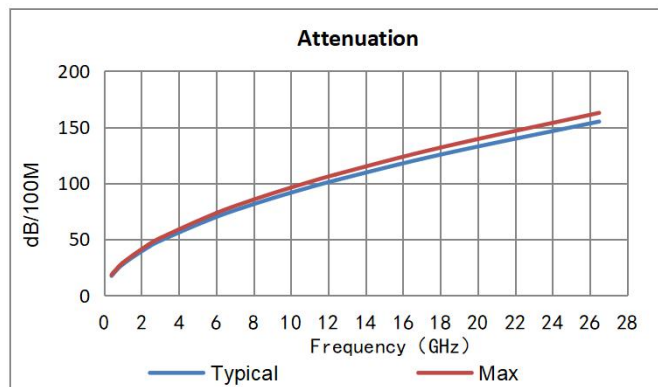
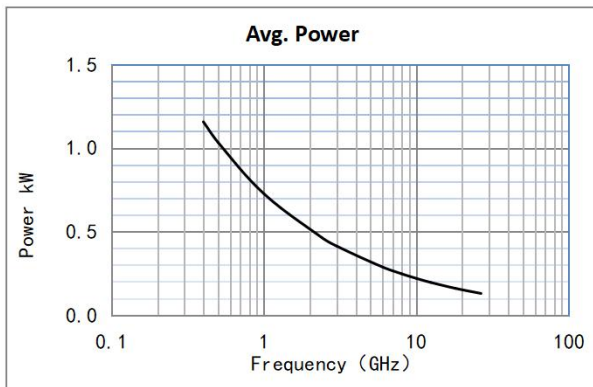
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.29	±0.02	Silver Plated Copper
2	Dielectric	3.91	±0.05	LD PTFE
3	Outer conductor	4.23	±0.05	Silver Plated Copper Ribbon
4	Innerlayer	4.32	±0.05	Aluminum Laminate
5	Outer sheild	4.76	±0.08	Silver Plated Copper
6	Jacket	5.20	±0.10	Blue FEP

**Mechanical&Environmental Specifications**

Bend Radius:installation (mm)	25
Bend Radius:repeated (mm)	52
Weight (g/m)	60
Temp, Operating&Installation (°C)	-55~200
Temp, Storage (°C)	-65~200

**Electrical Specifications**

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	100
Voltage Withstand (V,DC)	1500



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

Frequency MHz	400	500	1000	2400	3000	6000	8000	10000	12400	18000	26500
dB/100 m	17.36	19.44	27.67	43.36	48.67	69.87	81.31	91.53	102.67	125.51	155.03
Avg.Power kW	1.157	1.033	0.726	0.463	0.413	0.287	0.247	0.219	0.196	0.160	0.130
	K1= 0.8562336					K2= 0.0005906					

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

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