

Flexible RF Cable & Assemblies

FPA4806

DC~11GHz, High Power

Features:

- Low Insertion Loss
- High Power

Applications:

- Phased-array Radar
- Satellite Communication
- Avionics

Electrical

Frequency:	DC~11GHz
Cut Off Frequency	
(cable only, max):	11.5GHz
Impedance:	50±2Ω
Capacitance:	24pF/ft
Velocity of Propagation:	83%
Time Delay:	1.22ns/ft
Shielding Effectiveness	
up to 18GHz:	>90 dB
Power Handling:	See Table

Mechanical

Weight:	2.9 oz/ft (267g/m)
Minimum Bend Radius	
inches (mm):	3.0" (76.2mm)

Environmental

Operating Temperature Range ^[1] :	-65°C to +164°C
RoHS (2002/95/EC):	Available on request
[1] +200°C available on request	
VSWR for assemblies with two straight connector, 1.35:1 to 11GHz	

Attenuation (max)

Frequency (GHz)	dB/ft	dB/m	Power(W) @ 20°C @ Sea Level
0.04	0.006	0.020	7500
1	0.030	0.098	3250
2	0.043	0.141	2260
4	0.064	0.210	1650
6	0.080	0.262	1300
8	0.095	0.312	1100
10	0.109	0.358	950
11	0.116	0.380	900

Construction



