



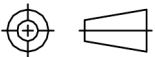

Construction Specification / structural dimensions

ITEM	MATERIAL	DIAMETER (mm)
Inner conductor	silver plated copper	0.94±0.01
Dielectric	PTFE	2.98±0.05
Outer Conductor	Tin Overcoated Copper Wire Braiding	3.50±0.05
Jacket	FEP	4.10±0.05

Electrical Characteristics/Electrical Performance

ITEM	Data
Capacitance (pF/m)	98
Impedance (ohm)	50±2
Velocity/rate (%) (200MHz)	70±0.07
Max operating frequency (GHz)	0~18
Time delay (ns/m)	4.7
Withstand voltage (kVrms)	3 (1min)
Shielding Effect (dB)	>100(0-1G)

* Note: According to the national military standard test method, the rate test is performed at a frequency of 200MHz on test.

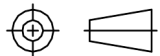
Tolerances .X ±0.2 .XX ±0.1 .XXX ±0.05	Scale	Abbr.	Rev.	Part Number: FEP IPCKT01-141-50	
	NTS	ST	B		
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Mechanical and Environmental Characteristics

ITEM	Data
Min. bending radius (mm)	8
RoHS/environmental protection	OK
Operating temperature (°C)	-65 ~ 150
Weight (kg/km)	50

Attenuation; power capacity (20°C , sea level)

Frequency (GHz)	Attenuation (dB/m)	Power (Watts CW)
0.5	0.27	790
1	0.41	526
2	0.62	351
3	0.78	277
5	1.05	205
10	1.58	137
18	2.22	97

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