

CA-PSF141

PSATEK SEMI-FLEXIBLE CABLE ASSEMBLY, PSF141, DC~6GHz

FEATURES:

- Applicable in Frequencies up to 6GHz
- Handformable
- High RF Shielding > 100dB

APPLICATIONS

- Laboratory
- Communication Systems



ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~6GHz
MAX OPERATING FREQUENCY	34.4GHz
IMPEDANCE	50±2.0 Ω
CAPACITANCE	100pF/m
VELOCITY OF PROPAGATION	70%
SCREENING EFFECTIVENESS	100dB min.
VOLTAGE RATING	1500V, DC
TIME DELAY	4.7nS/m

ORDERING INFORMATION:

	CA - PSF141 - 6 - NMNF - 0.5
CABLE ASSEMBLY	
PSATEK SEMI-FLEXIBLE 141	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(NMNF :N male - N female)	
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25 °C / Sea Level)

FREQUENCY	GHz	0.15	0.3	0.5	1	2.4	3	4	5	6
ATTENUATION, MAX	dB/100m	14.31	20.59	27.03	39.4	64.43	73.3	86.77	99.12	110.66
INPUT POWER(CW), MAX	Watts	448	311	237	163	100	87	74	65	58

ENVIROMENTAL & MECHANICAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55°C ~ +150 °C
SINGLE BEND RADIUS	8mm
REPEATED BEND RADIUS	40mm

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	0.93±0.02mm
DIELECTRIC②	PTFE	2.98±0.05mm
OUTER CONDUCTOR③	Tinned Copper Wier Braid and Tin Soaked	3.52±0.05mm

MECHANICAL OUTLINE(mm):

