

CA-PC190

PSATEK PTFE TEST CABLE ASSEMBLY WITH ARMOR, PC190, DC~67GHz

PSATEK

Specializing in RF & Microwave Components

FEATURES:

- Phase Stability
- Low Loss
- Low VSWR
- Armored & Rugged

APPLICATIONS

- Laboratory
- RF Test & Measurements
- Communication Systems

ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~67GHz
IMPEDANCE	50 Ω
VSWR	$\leq 1.4@67\text{GHz}$
VELOCITY OF PROPAGATION	81%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	500V, DC
PHASE STABILITY	$\pm 7^\circ$
AMPLITUDE STABILITY	$\pm 0.05\text{dB}$

ORDERING INFORMATION:

	CA - PC190 - 67 - 9F9M - 1
CABLE ASSEMBLY	
CABLE TYPE	
MAX FREQUENCY(GHz)	
RF CONNECTORS	
(9F9M :2.92mm female - 2.92mm male)	
SMA:S - 2.92mm:9 - 2.4mm:4 - 1.85mm:8	
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25°C / Sea Level)

FREQUENCY	GHz	2	4	6	8	10	12.4	18	26.5	40	67
ATTENUATION, MAX	dB/100m	90.8	129.8	160.4	186.5	209.8	235.2	287.1	354	444	593.2
INPUT POWER(CW), MAX	Watts	68	48	39	33	29	26	22	17	14	10

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55°C ~ +125 °C
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MECHANICAL OUTLINE(mm):

MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	30mm
MIN BENDING RADIUS/REPEATED	50mm
BENDING LIFE CYCLE	100,000

CONSTRUCTION SPECIFICATIONS:

CENTER CONDUCTOR ^①	Solid SPC	0.50mm
DIELECTRIC CORE ^②	LD PTFE	1.38mm
OUTER CONDUCTOR ^③	SPC Ribbon	1.54mm
STABLE LAYER ^④	LD PTFE	1.82mm
INNER BRAIDING ^⑤	SPC	2.17mm
JACKET ^⑥	FEP	2.40mm
ARMOR ^{⑦~⑨}	Composite	4.20mm
BRAIDED OUTER JACKET ^⑩	PTFE	4.70mm



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