

# CA-PA120

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA120, DC~50GHz

# PSATEK

Specializing in RF & Microwave Components

## FEATURES:

- High Phase Stability
- Low Loss
- Low PIM
- Light Weight

## APPLICATIONS

- Laboratory
- RF Test & Measurements
- Communication Systems
- Avionics



## ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~50GHz
MAX OPERATING FREQUENCY	60GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	82%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	500V, DC
PASSIVE INTERMOD	-155dBc
PHASE STABILITY	750PPM@-55℃~+85℃ max

## ORDERING INFORMATION:

CABLE ASSEMBLY	CA - PA120 - 50 - 9F9M - 0.5
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
<i>(9F9M :2.92mm female - 2.92mm male)</i>	
<i>SMA:S - 2.92mm:9 - 2.4mm:4 - N-type:N</i>	
OVERALL LENGTH (m)	

## PERFORMANCES BY FREQUENCIES(25℃ / Sea Level)

FREQUENCY	GHz	2	4	6	8	10	12.4	18	26.5	40	50
ATTENUATION, MAX	dB/100m	66.6	95	117.1	135.9	152.6	170.8	207.9	255.4	318.9	360.1
INPUT POWER(CW), MAX	Watts	286	201	163	140	125	111	92	75	60	53

## ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55℃~+165℃
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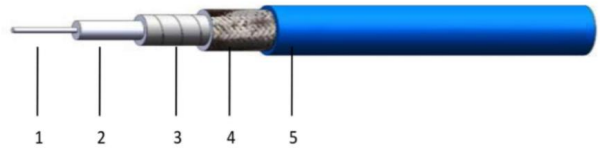
## MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	15mm
MIN BENDING RADIUS/REPEATED	31mm
WEIGHT	29g/m

## CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	0.70mm
DIELECTRIC②	PTFE	1.93mm
FIRST SHIELD③	Silver-plated Copper Tape	2.09mm
SECOND SHIELD④	Silver-plated Copper Braid	2.66mm
JACKET⑤	PFA	3.10mm

## MECHANICAL OUTLINE(mm):



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