

# CA-PA310

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA310, DC~18GHz

# 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~18GHz
MAX OPERATING FREQUENCY	19GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	83%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	2500V, DC
PASSIVE INTERMOD	-155dBc
PHASE STABILITY	750PPM@-55℃~+85℃ max

## ORDERING INFORMATION:

CABLE ASSEMBLY	CA - PA310 - 18 - SFSM - 0.5
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(SFSM :SMA female - SMA male)	
SMA:S - N-type:N	
OVERALL LENGTH (m)	

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

FREQUENCY	GHz	0.1	0.3	0.5	1	3	6	10	12.4	18
ATTENUATION, MAX	dB/100m	4.6	8	10.4	14.7	26	37.3	48.8	54.8	67
INPUT POWER(CW), MAX	Watts	5817	3341	2579	1812	1030	717	547	488	399

## ENVIROMENTAL SPECIFICATIONS:

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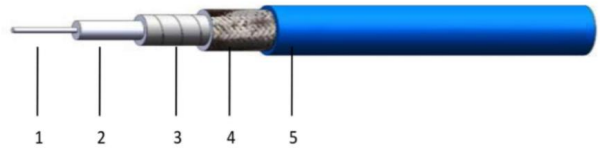
## MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	39.5mm
MIN BENDING RADIUS/REPEATED	79mm
WEIGHT	137g/m

## CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	2.30mm
DIELECTRIC②	PTFE	6.20mm
FIRST SHIELD③	Silver-plated Copper Tape	6.44mm
SECOND SHIELD④	Silver-plated Copper Braid	7.16mm
JACKET⑤	FEP	7.90mm.

## MECHANICAL OUTLINE(mm):



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