

CA-PA300

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA300, DC~18GHz

PSATEK

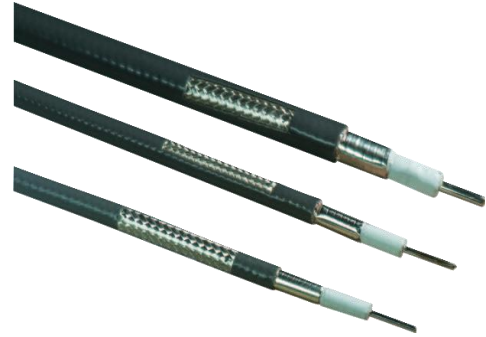
Specializing in RF & Microwave Components

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 - PA300 - 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	1	2	4	6	8	10	12.4	16	18
ATTENUATION, MAX	dB/100m	18	25.7	36.7	45.3	52.6	59.2	66.3	75.9	80.9
INPUT POWER(CW), MAX	Watts	1604	1126	788	638	549	488	436	381	357

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55℃~+165℃
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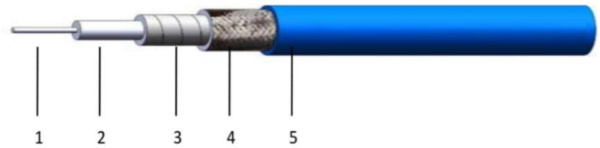
MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	38mm
MIN BENDING RADIUS/REPEATED	76mm
WEIGHT	137g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	2.39mm
DIELECTRIC②	PTFE	6.25mm
FIRST SHIELD③	Silver-plated Copper Tape	6.49mm
SECOND SHIELD④	Silver-plated Copper Braid	7.06mm
JACKET⑤	FEP	7.65mm.

MECHANICAL OUTLINE(mm):



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