

CA-PC300

PSATEK PTFE TEST CABLE ASSEMBLY WITH ARMOR, PC300, DC~26.5GHz

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~26.5GHz
IMPEDANCE	50 Ω
VSWR	$\leq 1.25@26.5\text{GHz}$
VELOCITY OF PROPAGATION	81%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	2000V, DC
PHASE STABILITY	$\pm 5^\circ$
AMPLITUDE STABILITY	$\pm 0.05\text{dB}$

ORDERING INFORMATION:

	CA - PC300 - 26 - SFSM - 1
CABLE ASSEMBLY	
CABLE TYPE	
MAX FREQUENCY(GHz)	
RF CONNECTORS	
(SFSM :SMA female -SMA male)	
SMA:S - N type:N	
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25°C / Sea Level)

FREQUENCY	GHz	0.1	0.3	1	3	6	8.5	12.4	18	26.5
ATTENUATION, MAX	dB/100m	8.4	14.6	27.1	48.1	69.6	84.1	103.5	127.4	158.8
INPUT POWER(CW), MAX	Watts	2657	1522	821	463	320	265	215	175	40

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55°C ~ +125 °C
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MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	50mm
MIN BENDING RADIUS/REPEATED	80mm
BENDING LIFE CYCLE	100,000

CONSTRUCTION SPECIFICATIONS:

CENTER CONDUCTOR①	Solid SPC	1.44mm
DIELECTRIC CORE②	LD PTFE	3.80mm
OUTER CONDUCTOR③	SPC Ribbon	4.00mm
STABLE LAYER④	LD PTFE	4.32mm
INNER BRAIDING⑤	SPC	4.63mm
JACKET⑥	FEP	5.05mm
ARMOR⑦~⑨	Composite	7.00mm
BRAIDED OUTER JACKET⑩	PTFE	7.55mm



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