

CA-PA290

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA290, 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	20GHz
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 - PA290 - 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	5	8.6	11.2	15.8	27.5	39.1	50.7	56.6	68.5
INPUT POWER(CW), MAX	Watts	5526	3186	2465	1740	1000	704	542	486	401

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55℃~+165℃
-----------------------	------------

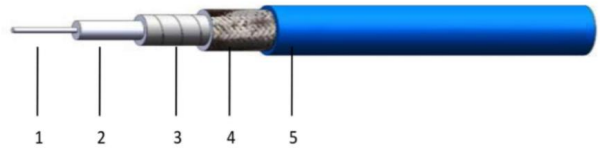
MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	37mm
MIN BENDING RADIUS/REPEATED	74mm
WEIGHT	125g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	2.10mm
DIELECTRIC②	PTFE	5.65mm
FIRST SHIELD③	Silver-plated Copper Tape	6.09mm
SECOND SHIELD④	Silver-plated Copper Braid	6.54mm
JACKET⑤	FEP	7.40mm.

MECHANICAL OUTLINE(mm):



PSATEK INC.

Specializing in RF & Microwave Components

5F, Unit 1, Blg 4, No. 486,
Guanghua East, 3rd Road,
Qingyang District, Chengdu, China

Phone: +86 17882494562

Email: sales@psatek.com

www.psatek.com