

CA-PA086

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA086, DC~40GHz

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~40GHz
MAX OPERATING FREQUENCY	83GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	81%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	400V, DC
PASSIVE INTERMOD	-155dBc
PHASE STABILITY	750PPM@-55℃~+85℃ max

ORDERING INFORMATION:

CABLE ASSEMBLY	CA - PA086 - 40 - 9F9M - 0.5
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
	(9F9M :2.92mm female - 2.92mm male)
	SMA:S - 2.92mm:9 - 2.4mm:4 - 1.85mm:8
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25℃ / Sea Level)

FREQUENCY	GHz	0.3	0.5	1	3	6	10	12.4	18	26.5	40
ATTENUATION, MAX	dB/100m	34.6	44.8	63.7	111.9	160.4	209.8	235.2	287.1	354	444
INPUT POWER(CW), MAX	Watts	204	137	97	55	38	29	26	21	17	14

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55℃~+125℃
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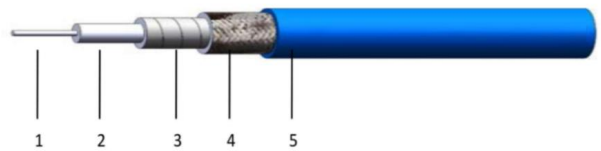
MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	8.8mm
MIN BENDING RADIUS/REPEATED	22mm
WEIGHT	16g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	0.50mm
DIELECTRIC②	PTFE	1.38mm
FIRST SHIELD③	Silver-plated Copper Tape	1.54mm
SECOND SHIELD④	Silver-plated Copper Braid	1.89mm
JACKET⑤	FEP	2.20mm

MECHANICAL OUTLINE(mm):



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