

# CA-PA142

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA142, DC~40GHz

# PSATEK

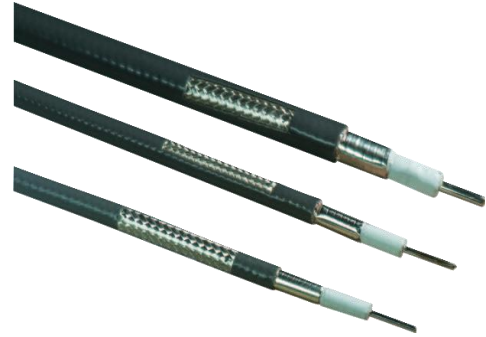
Specializing in RF & Microwave Components

## 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	48GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	82%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	500V, DC
PASSIVE INTERMOD	-155dBc
PHASE STABILITY	750PPM@-55℃~+85℃ max

## ORDERING INFORMATION:

CABLE ASSEMBLY	CA - PA142 - 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 - N-type:N-3.5mm:5
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	20.4	26.4	37.5	65.6	93.8	122.3	136.9	166.7	204.8	255.7
INPUT POWER(CW), MAX	Watts	936	723	509	291	203	156	139	115	93	75

## ENVIROMENTAL SPECIFICATIONS:

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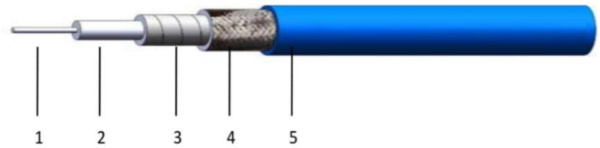
## MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	15mm
MIN BENDING RADIUS/REPEATED	36mm
WEIGHT	33g/m

## CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	0.91mm
DIELECTRIC②	PTFE	2.50mm
FIRST SHIELD③	Silver-plated Copper Tape	2.66mm
SECOND SHIELD④	Silver-plated Copper Braid	3.11mm
JACKET⑤	FEP	3.60mm

## MECHANICAL OUTLINE(mm):



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