

CA-PSR047

PSATEK SEMI-RIGID CABLE ASSEMBLY, PSR047, DC~40GHz

FEATURES:

- Applicable in Frequencies up to 40GHz
- Formstable
- Low PIM
- Low VSWR

APPLICATIONS

- Laboratory
- RF Test & Measurements
- Communication Systems

ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~40GHz
MAX OPERATING FREQUENCY	110GHz
IMPEDANCE	$50 \pm 2.0 \Omega$
CAPACITANCE	100pF/m
VELOCITY OF PROPAGATION	70%
SCREENING EFFECTIVENESS	100dB min.
VOLTAGE RATING	100V, DC
TIME DELAY	4.7nS/m

ORDERING INFORMATION:

	CA - PSR047 -	26.5 -	SMSF -	0.5
CABLE ASSEMBLY				
PSATEK SEMI-RIGID 047				
STOP FREQUENCY(GHz)				
RF CONNECTORS				
(SMSF :SMA male - SMA female)				
OVERALL LENGTH (m)				



PERFORMANCES BY FREQUENCIES(25 °C / Sea Level)

FREQUENCY	GHz	0.5	1	3	6	10	12.4	18	26.5	40
ATTENUATION, MAX	dB/m	0.8	1.1	2	2.9	3.8	4.3	5.2	6.5	8.2
INPUT POWER(CW), MAX	Watts	84	59	33	23	18	16	13	10	8

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55 °C ~ +125 °C
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MECHANICAL OUTLINE(mm):



CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	$0.29 \pm 0.02 \text{ mm}$
DIELECTRIC②	PTFE	$0.94 \pm 0.05 \text{ mm}$
OUTER CONDUCTOR③	Ternary alloy plated seamless annealed bare copper tube	$1.19 \pm 0.05 \text{ mm}$

PSATEK INC.

Specializing in RF & Microwave Components

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