

CA-PSR141

PSATEK SEMI-RIGID CABLE ASSEMBLY, PSR141, DC~26.5GHz

FEATURES:

- Applicable in Frequencies up to 26.5GHz
- Formstable
- Low PIM
- Low VSWR

APPLICATIONS

- Laboratory
- RF Test & Measurements
- Communication Systems

ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~26.5GHz
MAX OPERATING FREQUENCY	34GHz
IMPEDANCE	$50 \pm 2.0 \Omega$
CAPACITANCE	100pF/m
VELOCITY OF PROPAGATION	70%
SCREENING EFFECTIVENESS	100dB min.
VOLTAGE RATING	500V, DC
TIME DELAY	4.7nS/m

ORDERING INFORMATION:

	CA - PSR141-	26.5 -	3M3M -	0.5
CABLE ASSEMBLY				
PSATEK SEMI-RIGID 141				
STOP FREQUENCY(GHz)				
RF CONNECTORS				
(3M3M :3.5mm male - 3.5mm male)				
OVERALL LENGTH (m)				

PERFORMANCES BY FREQUENCIES(25 °C / Sea Level)

FREQUENCY	GHz	0.3	0.5	1	3	6	10	12.4	18	26.5
ATTENUATION, MAX	dB/100m	20.3	26.5	38.3	69.2	102.3	137.6	156.5	195.9	249.3
INPUT POWER(CW), MAX	Watts	1020	782	543	300	202	151	134	106	82

ENVIROMENTAL SPECIFICATIONS:

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



CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	$0.93 \pm 0.02\text{mm}$
DIELECTRIC②	PTFE	$3.00 \pm 0.05\text{mm}$
OUTER CONDUCTOR③	Ternary alloy plated seamless annealed bare copper tube	$3.58 \pm 0.10\text{mm}$

PSATEK INC.

Specializing in RF & Microwave Components

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