

CA-PT280

PSATEK HAND-FLEX CABLE ASSEMBLY, PT280, DC~40GHz

FEATURES:

- Applicable in Frequencies up to 40GHz
- Handformable
- Alternative to Semi-rigid and Semi-flex cables
- Low VSWR

APPLICATIONS

- Radar Systems
- Point-to-point Interconnections between RF Modules

ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~40GHz
MAX OPERATING FREQUENCY	62GHz
IMPEDANCE	50Ω
VELOCITY OF PROPAGATION	70%
SCREENING EFFECTIVENESS	90dB min.
VOLTAGE RATING	500V, DC

ORDERING INFORMATION:

	CA - PT280 - 40 - 9M9M - 0.5
CABLE ASSEMBLY	
PSATEK HAND-FLEX PT280	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(SMSM :2.92mm male - 2.92mm male)	
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25 °C / Sea Level)

FREQUENCY	GHz	0.3	0.5	1	3	6	10	12.4	26.5	40
ATTENUATION, MAX	dB/100m	37	48.2	69.3	125	183.7	246.1	279	440.8	571
INPUT POWER(CW), MAX	Watts	187	144	100	55	38	28	25	16	13

ENVIROMENTAL & MECHANICAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55°C ~ +125 °C
SINGLE BEND RADIUS	10.4mm
REPEATED BEND RADIUS	26mm
WEIGHT	22g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	0.51mm
DIELECTRIC②	PTFE	1.63mm
INNER SHIELD③	Silver-plated Copper Tape	1.83mm
OUTER SHIELD④	Silver-plated Copper Braid	2.18mm
JACKET⑤	Blue FEP	2.60mm

MECHANICAL OUTLINE(mm):

