

CA-PS230

LOW PIM FLEXIBLE CABLE ASSEMBLY, PS230, DC~50GHz

FEATURES:

- Frequency DC~50GHz (subject to connector type)
- Low PIM
- Low Loss
- High Power

APPLICATIONS

- Radar
- Wireless Communications
- Interconnection
- Avionics



ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~50GHz
MAX OPERATING FREQUENCY	71GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	76%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	400V, DC
PIM	-155dBc

ORDERING INFORMATION:

	CA - PS230 - 40 - 9F9M - 0.5
CABLE ASSEMBLY	
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	0.5	1	3	6	10	12.4	18	26.5	40	50
ATTENUATION, MAX	dB/100m	49.3	70.1	122.9	176	229.9	257.6	314.1	386.8	484.3	547.9
INPUT POWER(CW), MAX	Watts	137	97	55	39	29	26	22	18	14	12

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55 ℃ ~ +125 ℃
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MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	11.65mm
MIN BENDING RADIUS/REPEATED	23.30mm
WEIGHT	16g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Solid Silver-plated Copper	0.51mm
DIELECTRIC②	Low Density PTFE	1.52mm
FIRST SHIELD③	Silver-plated Copper Tape	1.70mm
SECOND SHIELD④	Silver-plated Copper Braid	1.98mm
JACKET⑤	FEP - Blue	2.33mm

MECHANICAL OUTLINE(mm):

