

CA-PS1500

LOW PIM FLEXIBLE CABLE ASSEMBLY, PS1500, DC~6GHz

FEATURES:

- Frequency DC~6GHz
- Low PIM
- Low Loss
- High Power

APPLICATIONS

- Radar
- Wireless Communications
- Interconnection
- Avionics



ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~6GHz
MAX OPERATING FREQUENCY	10GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	76%
SCREENING EFFECTIVENESS	100dB min
VOLTAGE RATING	4000V, DC
PIM	-155dBc

ORDERING INFORMATION:

	CA - PS1500 - 6 - NFM - 10
CABLE ASSEMBLY	
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(NFM :N female - N male)	
N-type:N	
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25℃ / Sea Level)

FREQUENCY	GHz	0.1	0.3	0.5	0.8	1	2	3	5	6	-
ATTENUATION, MAX	dB/100m	3.1	5.4	7.1	9.1	10.2	14.8	18.4	24.5	27.1	-
INPUT POWER(CW), MAX	Watts	10400	5890	4520	3534	3142	2169	1740	1311	1183	-

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55 ℃ ~ +200 ℃
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MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	76.00mm
MIN BENDING RADIUS/REPEATED	150.00mm
WEIGHT	400g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Solid Silver-plated Copper	4.40mm
DIELECTRIC②	Low Density PTFE	12.50mm
INNER SHIELD③	Silver-plated Copper Tape	12.82mm
INTERLAYER SHIELD④	Aluminum Foil	12.95mm
OUTER SHIELD⑤	Silver-plated Copper Braid	13.67mm
JACKET⑥	FEP - Blue	15.30mm

MECHANICAL OUTLINE(mm):

