

CA-PS800

LOW PIM FLEXIBLE CABLE ASSEMBLY, PS800, DC~18GHz

FEATURES:

- Frequency DC~18GHz
- Low PIM
- Low Loss
- High Power

APPLICATIONS

- Radar
- Wireless Communications
- Interconnection
- Avionics



ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~18GHz
MAX OPERATING FREQUENCY	19GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	78%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	2000V, DC
PIM	-155dBc

ORDERING INFORMATION:

	CA - PS800 - 18 - NFNM - 0.5
CABLE ASSEMBLY	
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(NFNM :N female - N male)	
N-type:N	
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25℃ / Sea Level)

FREQUENCY	GHz	1	2	4	6	8	10	12.4	16	18	-
ATTENUATION, MAX	dB/100m	17.6	25.2	36.3	45.1	52.7	59.5	67.1	77.3	82.6	-
INPUT POWER(CW), MAX	Watts	1530	1098	762	613	524	464	412	358	335	-

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55 ℃ ~ +200 ℃
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MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	30.00mm
MIN BENDING RADIUS/REPEATED	76.00mm
WEIGHT	140g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Solid Silver-plated Copper	2.06mm
DIELECTRIC②	Low Density PTFE	5.89mm
INNER SHIELD③	Silver-plated Copper Tape	6.05mm
INTERLAYER SHIELD④	Aluminum Foil	6.17mm
OUTER SHIELD⑤	Silver-plated Copper Braid	6.81mm
JACKET⑥	FEP - Blue	7.62mm

MECHANICAL OUTLINE(mm):

