

CA-PS360

LOW PIM FLEXIBLE CABLE ASSEMBLY, PS360, DC~40GHz

FEATURES:

- Frequency DC~40GHz (subject to connector type)
- Low PIM
- Low Loss
- High Power

APPLICATIONS

- Radar
- Wireless Communications
- Interconnection
- Avionics



ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~40GHz
MAX OPERATING FREQUENCY	50GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	76%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	5000V, DC
PIM	-155dBc

ORDERING INFORMATION:

	CA - PS360 - 18 - NFM - 0.5
CABLE ASSEMBLY	
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(NFM :N female - N male)	
SMA:S - 2.92mm:9 - 2.4mm:4 - N-type:N	
OVERALL LENGTH (m)	

PERFORMANCES BY FREQUENCIES(25℃ / Sea Level)

FREQUENCY	GHz	0.5	1	2.4	3	6	10	12.4	18	26.5	40
ATTENUATION, MAX	dB/100m	30.9	43.8	68.2	76.4	108.8	141.5	158.1	191.8	234.8	291.7
INPUT POWER(CW), MAX	Watts	420	250	180	140	130	100	70	70	60	60

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55 ℃ ~ +165 ℃
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MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	18.00mm
MIN BENDING RADIUS/REPEATED	36.00mm
WEIGHT	34g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Solid Silver-plated Copper	0.72mm
DIELECTRIC②	Low Density PTFE	2.21mm
INNER SHIELD③	Silver-plated Copper Tape	2.38mm
INTERLAYER SHIELD④	Low Density PTFE	2.68mm
OUTER SHIELD⑤	Silver-plated Copper Braid	3.14mm
JACKET⑥	FEP - Blue	3.60mm

MECHANICAL OUTLINE(mm):

