

CA-PS460

LOW PIM FLEXIBLE CABLE ASSEMBLY, PS460, DC~26.5GHz

FEATURES:

- Frequency DC~26.5GHz (subject to connector type)
- Low PIM
- Low Loss
- High Power

APPLICATIONS

- Radar
- Wireless Communications
- Interconnection
- Avionics

ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~26.5GHz
MAX OPERATING FREQUENCY	35GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	76%
SCREENING EFFECTIVENESS	100dB min
VOLTAGE RATING	1000V, DC
PIM	-155dBc

ORDERING INFORMATION:

	CA - PS460 - 18 - NFM - 0.5
CABLE ASSEMBLY	
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(NFM :N female - N male)	
SMA:S - N-type:N - TNC:T	
OVERALL LENGTH (m)	



PERFORMANCES BY FREQUENCIES(25℃ / Sea Level)

FREQUENCY	GHz	0.1	0.3	0.5	1	3	6	10	12.4	18	26.5
ATTENUATION, MAX	dB/100m	11.1	19.2	24.9	35.4	62	88.8	116	129.9	158.3	194.9
INPUT POWER(CW), MAX	Watts	1821	1047	809	569	325	227	174	155	127	103

ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55 ℃ ~ +200 ℃
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MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	18.40mm
MIN BENDING RADIUS/REPEATED	46.00mm
WEIGHT	50g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Solid Silver-plated Copper	1.02mm
DIELECTRIC②	Low Density PTFE	3.07mm
INNER SHIELD③	Silver-plated Copper Tape	3.27mm
INTERLAYER SHIELD④	Aluminum Foil	3.43mm
OUTER SHIELD⑤	Silver-plated Copper Braid	3.94mm
JACKET⑥	FEP - Blue	4.60mm

MECHANICAL OUTLINE(mm):

