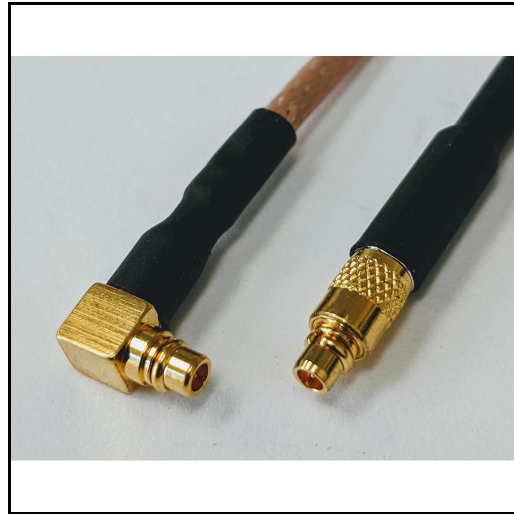


## Product Features

P1-MMXP/MMXPRA-RG316-18 is a 50 Ohm RF cable assembly that is part of P1dB's RG series flex cables.. It is an 18 inch MMCX straight plug (male) to MMCX right angle plug (male) cable assembly that utilizes RG-316 RG Type Flex coax, which is 0.098 inches in diameter. This RG Type Flex cable operates to 6 GHz with a max VSWR of 1.35:1.

P1dB's RG Type Flex cable assemblies are general purpose commercial grade cables that meet dimensional and electrical specifications of QPL cables. RG Type Flex cables can operate up to 6 GHz, depending on the installed connectors. The advantage of RG type commercial cables over QPL cables is their lower cost, since they do not go through the stringent environmental, mechanical and certification testing required for military grade, QPL equivalents.



## Electrical Specification: T<sub>Ambient</sub> = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		6.0	
VSWR	DC to 0.4	1:			1.2	
	0.4 to 1.0				1.25	
	1.0 to 2.4				1.3	
	2.4 to 0.5				1.35	
Insertion Loss	DC to 0.4	dB/ft.			0.18	
	0.4 to 1.0				0.31	
	1.0 to 2.4				0.49	
	2.4 to 0.5				0.67	
Velocity Of Propagation		%		69.5		

## Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	MMCX Plug	
Connector 1 Coupling Nut	Gold Plated Brass	
Connector 1 Body	Gold Plated Brass	
Connector 1 Contact	Gold Plated Brass	
Connector 2	MMCX Plug Right Angle	
Connector 2 Coupling Nut	Gold Plated Brass	
Connector 2 Body	Gold Plated Brass	
Connector 2 Contact	Gold Plated Brass	
Coax Cable	RG Type Flex	
Cable Type	RG-316	
Cable Inner Conductor	7/.0067 SPCW	
Dielectric	PTFE	
Shield	1. SPC Braid	

RF cable assembly, MMCX plug straight to MMCX plug right angle, RG-316 flexible coax,  
18 inch.

Parameter	Description	Notes
Jacket	FEP	
Coax Diameter	0.098	
Minimum Bend Radius	0.5	
Length	18.0	
Operating Temperature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

## Product Notes