

RK Assemblies

DC to 40 GHz



The RK (Ruggedized K) connector series provides a field friendly high frequency interconnect designed for hand tighten mating while wearing gloves or under other adverse conditions. Typical cable assemblies come standard with armor and weatherization for either Lab Flex 200 (DC to 31 GHz) or Lab Flex 160 (DC to 40 GHz). Bulkhead feed thru adaptors RK to 2.9mm Jacks are available from both SRI / Connector Gage Company and Florida RF Labs.

Features/Benefits

- Field friendly coupling
- Strongest 40 GHz interface
- Bulkhead feed thru adapter
- Weatherized armor jacket
- Stainless steel connectors
- Phase matched sets available
- Applications to 40 GHz
- Dust caps are standard

Applications

- Antenna systems
- Unique interconnect requirements
- Mobile communication systems

Connector Types

Connector	Code	Cables	Max. Frequency
RM plug (male) straight	RKMS	160 or 200	40 GHz
2.9mm plug (male) straight	KMS	160 or 200	40 GHz
2.9mm (female) straight	KFS	160 only	40 GHz
2.9mm bulkhead(female) straight	KFBS	160 only	40 GHz
2.4mm plug (male) straight	MMS	160 only	40 GHz
2.4mm jack (female) straight	MFS	160 only	40 GHz
SMA plug (male) straight	SMS	160 or 200	26 GHz
SMA plug (male) right angle	SMR	200 only	18 GHz
SMA jack (female) bulkhead	SFBS	200 only	18 GHz
SMA jack (female) straight	SFS	200 only	18 GHz
Type N plug (male) straight	NMS	160 or 200	18 GHz
Type N plug (male) right angle	NMR	200 only	18 GHz
Type N jack (female) bulkhead	NFBS	200 only	18 GHz
Type N (female) straight	NFS	200 only	18 GHz
TNC plug (male) straight	TMS	200 only	18 GHz
TNC plug (male) right angle	TMR	200 only	18 GHz
TNC jack (female) bulkhead	TFBS	200 only	18 GHz
TNC jack (female) straight	TFS	200 only	18 GHz

Quick Spec. with Lab Flex 200

Frequency	Power	Loss
GHz	Watts	dB/100ft
1	740	11.3
10	208	28.7
18	156	38.3
26	132	47.6
31	110	53.3

Quick Spec. with Lab Flex 160

Frequency	Power	Loss
GHz	Watts	dB/100ft
1	540	15.8
10	170	39.5
18	120	51.6
26	103	63.5
40	80	81.6

Part Numbering Code for RK series

Part number RKMS-200AW-60.0-KMS definition below

