

QC-SMA™ Quick Connect

SMA Plug Connectors



Kings products, like the QC-SMA™ Quick Connect SMA Plugs, are now sold under the Kings-Win® brand from Winchester Interconnect™

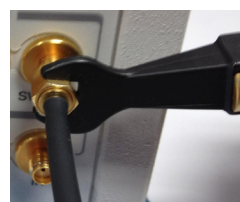
Product Description

QC-SMA™ Quick Connect SMA Plugs feature a push / pull coupling mechanism that is fast and easy to use.

QC-SMA™ Plugs are a great alternative to threaded SMA connectors in testing applications because technicians can quickly mate and unmate these connectors without the use of torque wrenches.

Electrical performance for QC-SMA™ Plugs is comparable to standard SMA connectors up to 18 GHz, depending upon the cable type.

QC-SMA™ Plugs mate to any SMA Jack with a .200" thread length and, once mated, they can be rotated 360 degrees.



QC-SMA™ Plugs are easy to insert and remove. Pull back the shroud to open the connector; insert the connector onto the SMA Jack; and push the shroud forward to lock the connector. To unmate, simply pull back on the shroud and the connector unlocks and can be removed. Easy!

QC-SMA™ Plugs mate to any standard SMA Jack with a thread length of .200" in order for the locking fingers to engage with the last thread position.

QC-SMA™ push / pull coupling mechanism is much faster and easier to mate and unmate than a threaded SMA and eliminates the added time of using wrenches to install and remove connectors.

 **Winchester**
Interconnect.

We Energize Innovation.

Specifications

<p>Electrical</p> <p>Impedance 50 Ohms</p> <p>Frequency Range DC to 18 GHz max (see table)</p> <p>VSWR <i>Straight</i> 1.10 + .01 x f (GHz) Max <i>R/A</i> 1.15 + .02 x f (GHz) Max</p> <p>Insertion Loss <i>Straight</i> .04 x √f(GHz) Max <i>R/A</i> .07 x √f(GHz) Max</p>	<p>Insulation Resistance 5000 Megohms Min</p> <p>Voltage Rating 250 VRMS for RG316 / RD316 335 VRMS for Adapters/ RG405/RG402</p>	<p>Mechanical</p> <p>Durability 500 Cycles Min</p> <p>Coupling Method Push / Pull</p> <p>Mating/ Unmating Force 20 lbs. Max</p> <p>Retention Force 30 lbs. Min</p>	<p>Material</p> <p>Body Copper Alloy</p> <p>Outer Contacts Copper Alloy</p> <p>Center Contacts Copper Alloy or Brass</p> <p>Insulator PTFE</p> <p>Ferrule Copper Alloy</p> <p>Finishes</p> <p>Body Nickel over Copper</p> <p>Center Contacts Gold over Nickel</p> <p>Ferrule Nickel over Copper</p>	<p>Environmental</p> <p>Temperature Rating -65°C to +165°C</p> <p>Corrosion Resistance MIL-STD-202, Method 101, Cond B</p> <p>Vibration MIL-STD-202, Method 204, Cond B</p> <p>Shock MIL-STD-202, Method 213, Cond A</p>
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Part Numbers

Part Number	Description	Cable Size	Crimp Die (KTH-1000)	Hex Size	Frequency
110-900-0630N	Straight Plug	RG-316	KTH-2011	0.128	6 GHz
112-900-0630N	Right-Angle Plug	RG-316	KTH-2011	0.128	6 GHz
110-900-0631N	Straight Plug	M17/152-00001 (RD-316)	KTH-2015	0.151	12 GHz
112-900-0631N	Right-Angle Plug	M17/152-00001 (RD-316)	KTH-2015	0.151	12 GHz
110-500-0850N	Straight Plug	RG-405 (0.085)	N/A	N/A	18 GHz
110-500-1410N	Straight Plug	RG-402 (0.141)	N/A	N/A	18 GHz
0116-300-08501N	Right-Angle Plug	RG-405 (0.085)	N/A	N/A	18 GHz
0116-300-14101N	Right-Angle Plug	RG-402 (0.141)	N/A	N/A	18 GHz



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