

► DESCRIPTIONS

QMA connectors are available with 50Ω impedance. The frequency range extend 18GHz, depending on the connector and cable type, however most of the QMA connectors are Return Loss optimised for frequencies up to 6GHz.

The QMA interface is based on the SMA dimension, but instead of a threaded coupling mechanism, a new snap-lock mechanism used.

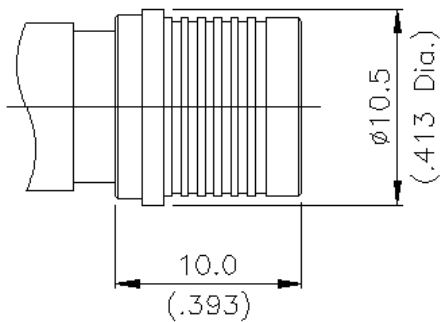
The QMA interface has a very similar performance to the SMA, but in addition it offers an easier, faster and safer coupling operation, helping the customers to save significantly time during production of their systems.

But QMA is not intermateable with SMA.

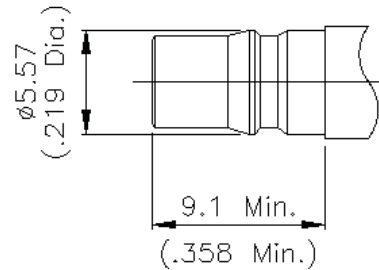


► INTERFACE DIMENSIONS

PLUG

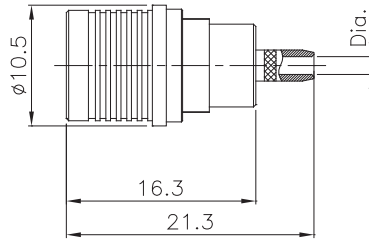


JACK



► TECHNICAL DATA

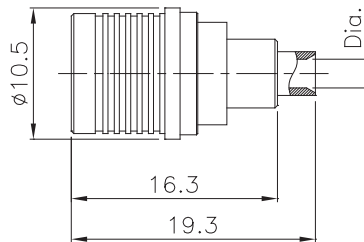
REQUIREMENT		SPECIFICATIONS
ELECTRICAL CHARACTERISTICS		
Impedance		50ohm
Frequency range		DC ~ 6GHz
RF Leakage		-70dB Min.
Dielectric withstanding voltage		1000V Min.
Working voltage		480V Max.
Insulation resistance		5X10 ³ Mohm
Contact resistance	center contact	3mohm Max.
	outer contact	2.5mohm Max.
MECHANICAL CHARACTERISTICS		
Engagement force(typical)		25N
Disengagement force(typical)		20N
Retension force for interface		60N Min.
Durability		100 matings
ENVIRONMENTAL CHARACTERISTICS		
Temperature range		-40°C ~ +85°C
Corrosion		IEC 60169-1 16.7(48hrs)
Vibration		IEC-68-2-64
Thermal shock		IEC 60169-1 16.4(-40°C/+85°C)
MATERIALS		
Bodies		Brass
Male center contact		Brass
Female center contact		Beryllium copper
Outer contact		Beryllium copper
Insulator		PTFE
Crimp ferrule		Brass
PLATING		
Bodies		Tri-alloy
Center contact		Gold
Outer contact		Tri-alloy
Crimp ferrule		Tri-alloy



Straight Plugs

■ Crimp Type

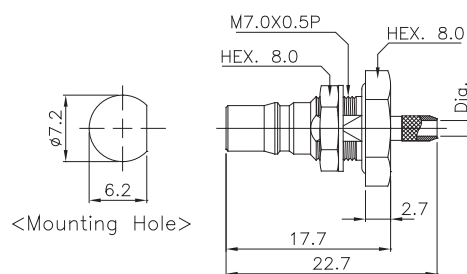
PART NO.	Dia.	CABLE
S600-2021	$\phi 1.55$ ($\phi 1.7$)	RG 316(RG174)
S600-2021-A	$\phi 3.1$	RG 58, 400



Straight Plugs

■ Direct Solder Type

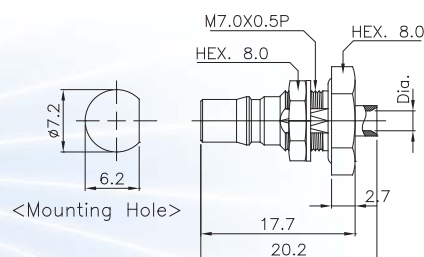
PART NO.	Dia.	CABLE
S600-003	$\phi 2.3$	UT 085, RG 405
S600-2022	$\phi 3.7$	UT 141, RG 402



Straight Bulkhead Jacks

■ Crimp Type

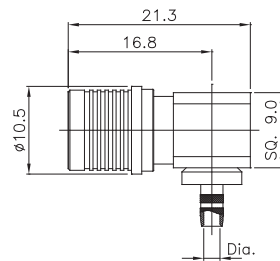
PART NO.	Dia.	CABLE
S600-2010	$\phi 1.55$ ($\phi 1.7$)	RG 316(RG174)
S600-2000	$\phi 3.1$	RG 58, 400



Straight Bulkhead Jacks

■ Direct Solder Type

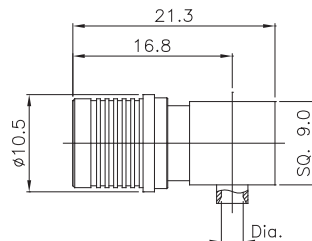
PART NO.	Dia.	CABLE
S600-2027	$\phi 2.3$	UT 085, RG 405
S600-2020	$\phi 3.7$	UT 141, RG 402



Right Angle Plugs

■ Crimp Type

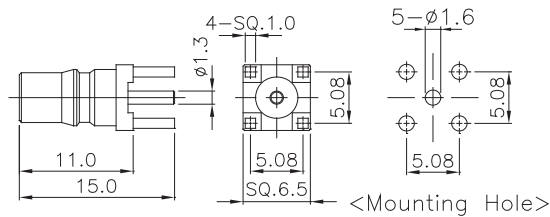
PART NO.	Dia.	CABLE
S600-2011	Ø1.55 (Ø1.7)	RG 316(RG174)
S600-2011-A	Ø3.1	RG 58, 400



Right Angle Plugs

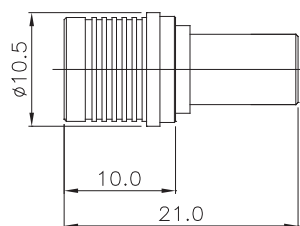
■ Direct Solder Type

PART NO.	Dia.	CABLE
S600-2012	Ø2.3	UT 085, RG 405
S600-2012-A	Ø3.7	UT 141, RG 402



STRAIGHT Jack for PCB

PART NO.	IMPED
S600-013	50 Ω



Plug Termination

PART NO.	IMPED
S600-014	50 Ω