

SMA COAXIAL CONNECTORS

Larsen SMA Connectors are semi-precision, sub-miniature, high frequency connectors that offer reliable broadband performance DC to 18 GHz with low reflection and constant 50-ohm impedance. Primary features include high mechanical strength and durability, and low VSWR.

Larsen offers SMA connectors for RG58 and RG 174 coaxial cable types.

ELECTRICAL SPECIFICATIONS

Impedance	50 ohm
Frequency Range	Semi-rigid cable for .141" or .085 OD copper jacket: 0-18 GHz Flexible cable: 0-12.4 GHz
Voltage Rating	RG-58: 500V peak RG-174: 375V peak
Dielectric withstanding voltage	RG-58 cable group: 1000V RMS
VSWR-straight Connectors *f in GHz	RG-174 cable group: 1.15+.02f RG-58 cable group: 1.15+.01f
Contact resistance	Center: 2.0 milliohms Body: 2.0 milliohms Braid To body: 0.5 milliohms
Insulation resistance	5000 Megohms
RF leakage	-90 db min. at 2-3 GHz
Insertion loss	db max. = .06 freq. GHz. Test frequency @6.0GHz

MATERIAL SPECIFICATIONS

Parts Name	MIL Standard
Body, coupling nut, other metal parts	Brass per QQ-B-626 finish: nickel or gold per requirement
Contacts	Male: Brass per QQ-B-626 Female: Beryllium copper per QQ-C-530 heat treated per MIL-H-7199
Finish	.00005" min gold plated per MIL-G-45204 type 1, Grade C
Insulator	PTFE
Gasket	Silicone rubber
Crimp Ferrule	Seamless copper tubing alloy



MODEL	DESCRIPTION
SMACP58	SMA Crimp Plug 58/U
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	58
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMACAP	SMA Crimp Angle Plug 174/U
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	174
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMACP174	SMA Crimp Plug 174/U
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	174
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50

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MODEL	DESCRIPTION
SMAAP174	SMA Angle Plug 174/U
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	174
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMACJ	SMA Crimp Jack 58/U
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	58
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMACBJ	SMA Crimp Blk Jack 58/U
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	58
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMAP/P	SMA Adapter P/P
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	n/a
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMAJ/J	SMA Adapter J/J
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	n/a
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMABJ/J	SMA Blk Adapter J/J
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	n/a
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMAJ/P	SMA Adapter J/P
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	n/a
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMAAJ/P	SMA Angle Adapter J/P
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	n/a
FINISH	Gold
INSULATION	Teflon
IMPEDANCE	50



MODEL	DESCRIPTION
SMASPIN	SMA Spin Connector (RG174)
SPECIFICATIONS	
SERIES	SMA
CABLE GROUP	174
FINISH	Black/Chrome
INSULATION	Teflon
IMPEDANCE	50

COAXIAL