

MEIRGEN

CA18A-XXX-ASM-ASM
SMA TEST CABLE

SPECIFICATIONS

Date : DEC. 29, 2015

Meirgen Electronics Corp.

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Customer:

Sample No:

CA18A-XXX-ASM-ASM SMA TEST CABLE SPECIFICATIONS



■ ELECTRICAL SPECIFICATIONS

ITEM	MIN	TYP	MAX	UNIT
Return Loss (DC ~ 18 GHz) [better than 30dB below 6GHz upon request]	20	30		dB
Shielding Effectiveness	100			dB
IL stability vs. Flexure [dB @minimum BR]	±0.3			
Phase Stability vs. Flexure [@18GHz Max]	4 Deg			
Power Handling	231 Watt @18GHz at sea level			
Phase Matching	On request			

■ ENVIRONMENTAL DATA

ITEM	DESCRIPTION
Temperature Range	-40°C to +100°C
2002/95/EC(RoHS)	Compliant

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■ CONFIGURATION SPECIFICATIONS

ITEM	DESCRIPTION
Connector 1 type	SMA Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Connector 2 type	SMA Male
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Cable Type	A Series

■ CABLE SPECIFICATIONS

ITEM	DESCRIPTION
Center Conductor	Silver plated copper
Dielectric	Low Density PTFE
Jacket	FEP
Dielectric Constant	1.7
Velocity of propagation(%)	77
Min. bending radius(mm)	29.2
Jacket Diameter(mm)	5.8
Capacitor [pF/m]	85

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■ PART NUMBER LIST

Part Number CA18A-XXX-ASM-ASM	Length [M]	Insertion Loss (Typical dB)			
		3GHz	6GHz	10GHz	18GHz
CA18A-0.6M-ASM-ASM	0.6±0.02	0.517	0.745	0.98	1.2
CA18A-1M-ASM-ASM	1±0.02	0.71	0.89	1.12	1.36
CA18A-2M-ASM-ASM	2±0.02	1.2	1.6	2.1	2.3

