

MEIRGEN

CA40B-XXX-A2.92M-A2.92M
2.92mm TEST CABLE

SPECIFICATIONS

Date : Dec. 07, 2017

Meirgen Electronics Corp.

TEL: 886-7-5541877

FAX: 886-7-5547727

<http://www.meirgen.com>

E-mail: sales@meirgen.com.tw

CA40B-XXX-A2.92M-A2.92M 2.92mm TEST CABLE SPECIFICATIONS



■ ELECTRICAL SPECIFICATIONS

ITEM	MIN	TYP	MAX	UNIT
Return Loss (DC ~ 40 GHz)		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		99 Watt @40GHz at sea level		
Phase Matching		On request		

■ ENVIRONMENTAL DATA

ITEM	DESCRIPTION
Temperature Range	-55°C to +135°C
2002/95/EC(RoHS)	Compliant

Meirgen Electronics Corp.

TEL: 886-7-5541877

FAX: 886-7-5547727

<http://www.meirgen.com>

E-mail: sales@meirgen.com.tw

■ CONFIGURATION SPECIFICATIONS

ITEM	DESCRIPTION
Connector 1 type	2.92mm Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Connector 2 type	2.92mm Male
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Cable Type	B 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)	19.1
Jacket Diameter(mm)	4.2
Capacitor [pF/m]	86

■ PART NUMBER LIST

Part Number	Length [M]	Insertion Loss (Typical dB)			
		10GHz	18GHz	26.5GHz	40GHz
CA40B-XXX-A2.92M-A2.92M					
CA40B-0.8M-A2.92M-A2.92M	0.8±0.02	0.9	1.35	1.7	2.16

Meirgen Electronics Corp.

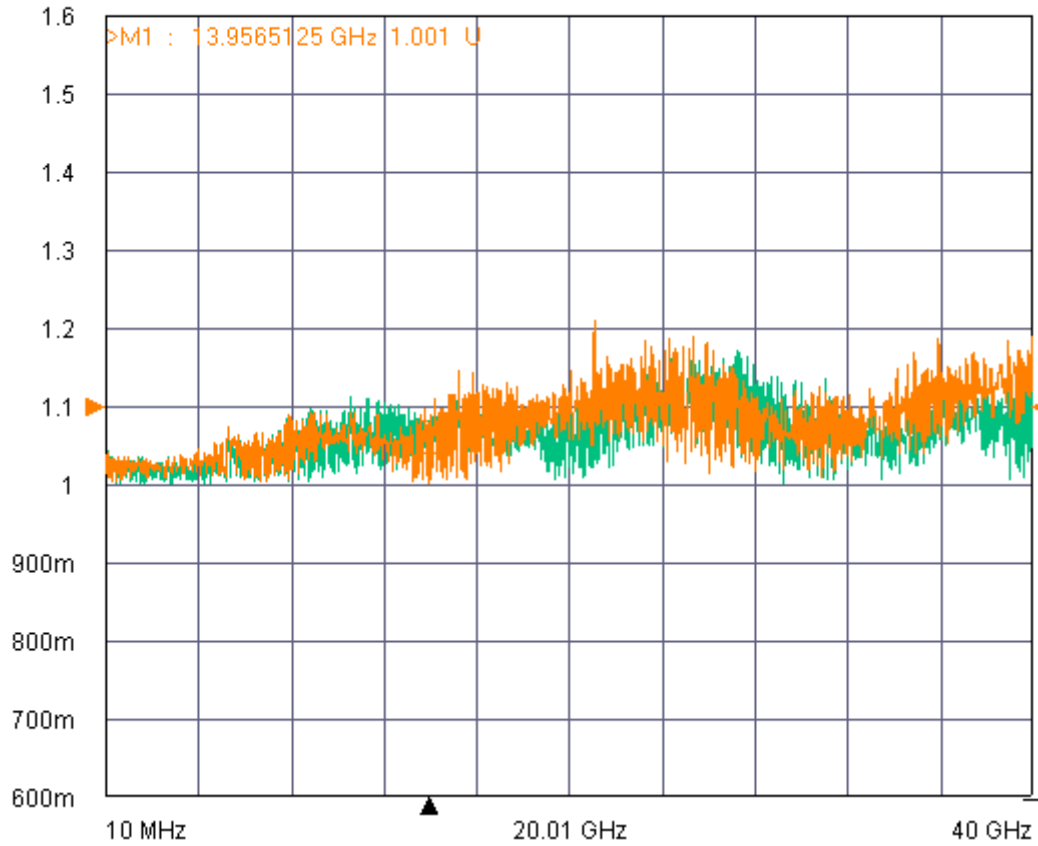
TEL: 886-7-5541877

FAX: 886-7-5547727

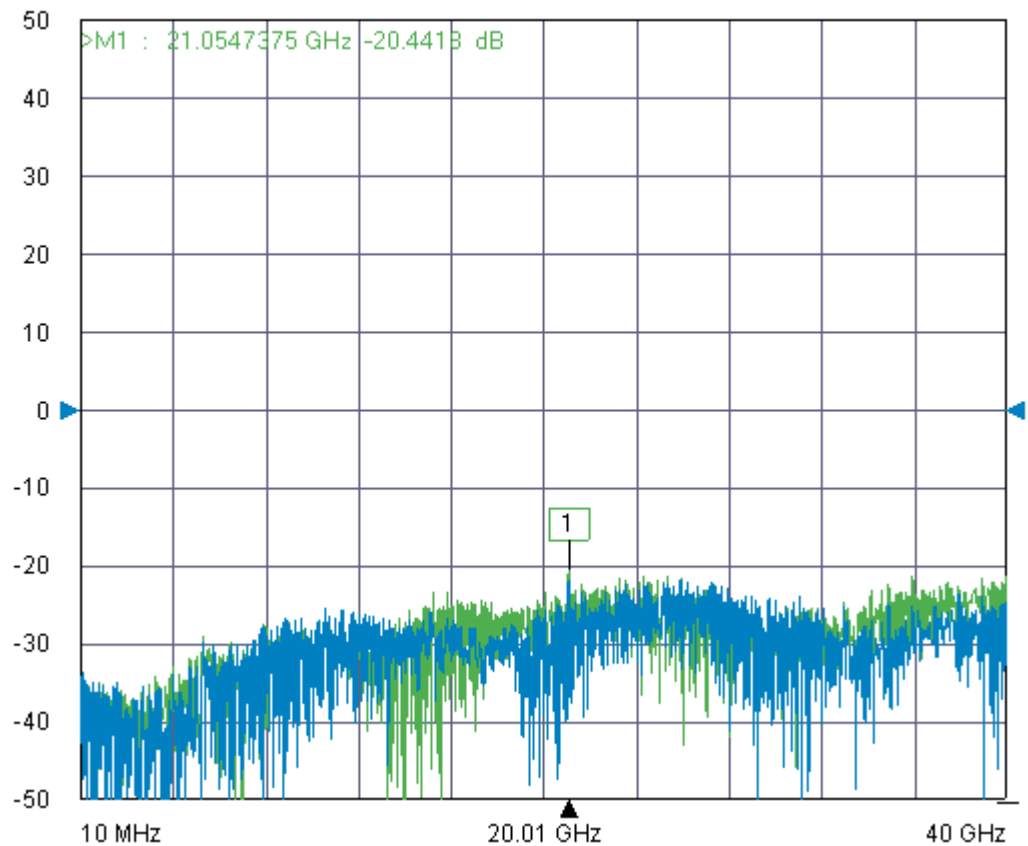
<http://www.meirgen.com>

E-mail: sales@meirgen.com.tw

▶ **Tr1** S11 Refl SWR RefLvl: 1.1 U Res: 100 mU/Div
Tr7 S22 Refl SWR RefLvl: 1.1 U Res: 100 mU/Div



Tr2 S11 Refl LogM RefLvl: 0 dB Res: 10 dB/Div
Tr8 S22 Refl LogM RefLvl: 0 dB Res: 10 dB/Div



Meirgen Electronics Corp.

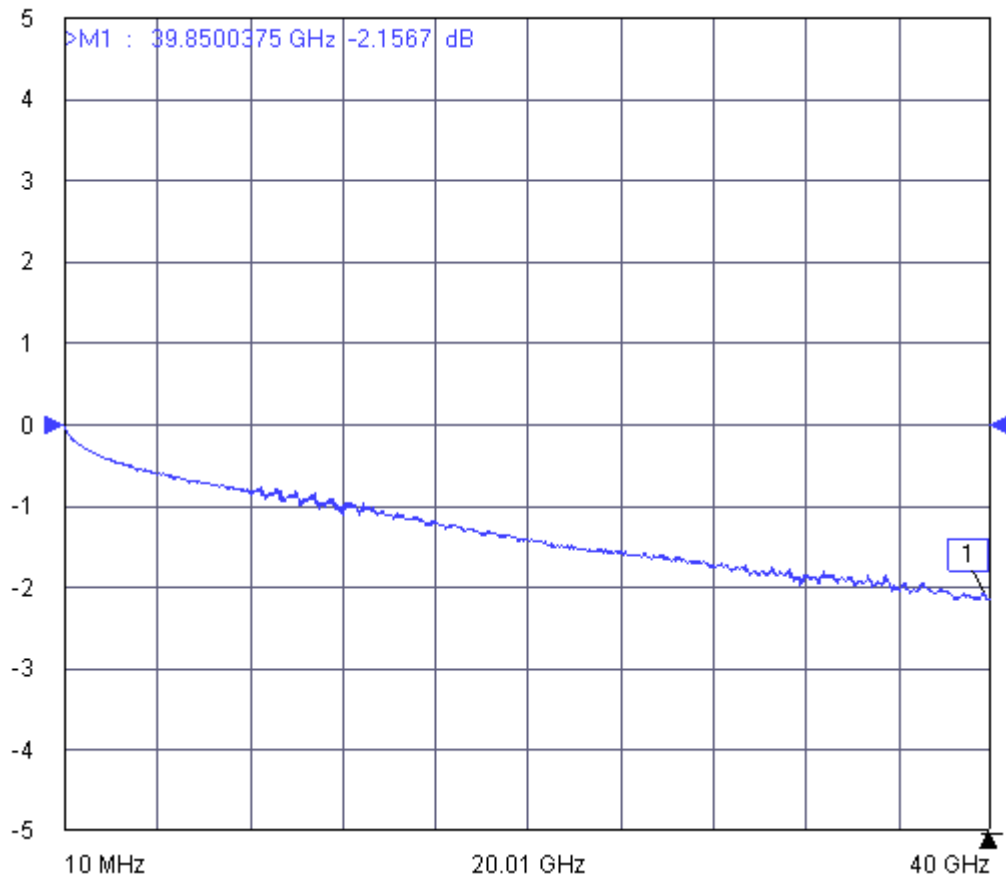
TEL: 886-7-5541877

FAX: 886-7-5547727

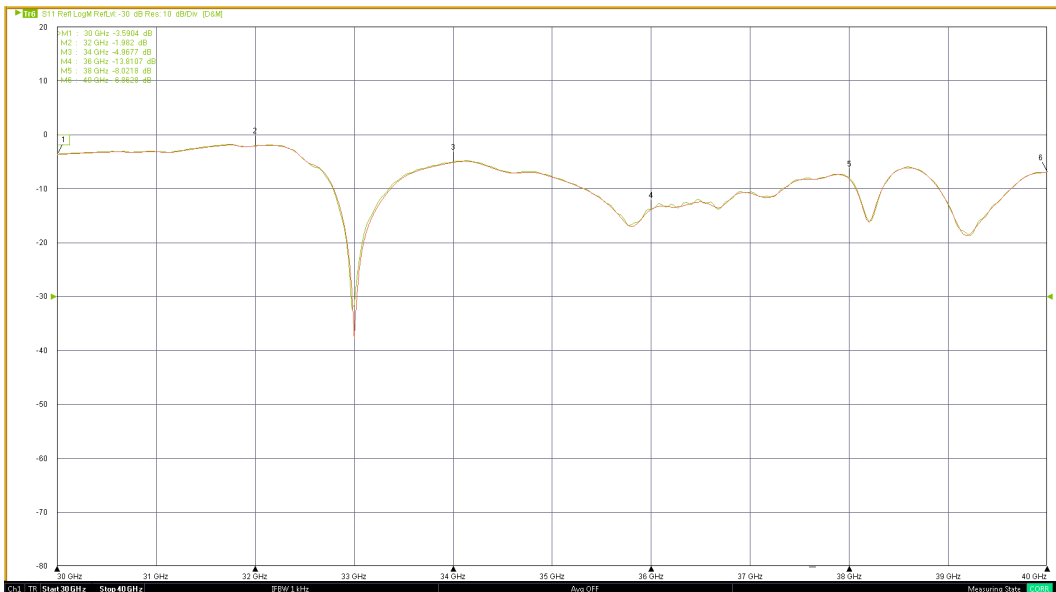
<http://www.meirgen.com>

E-mail: sales@meirgen.com.tw

Tr3 S21 Trans LogM RefLvl: 0 dB Res: 1 dB/Div



The curves with temperature difference of 3° C temperature change. It shows that the measured trace is same for 3° C temperature change.



Form:

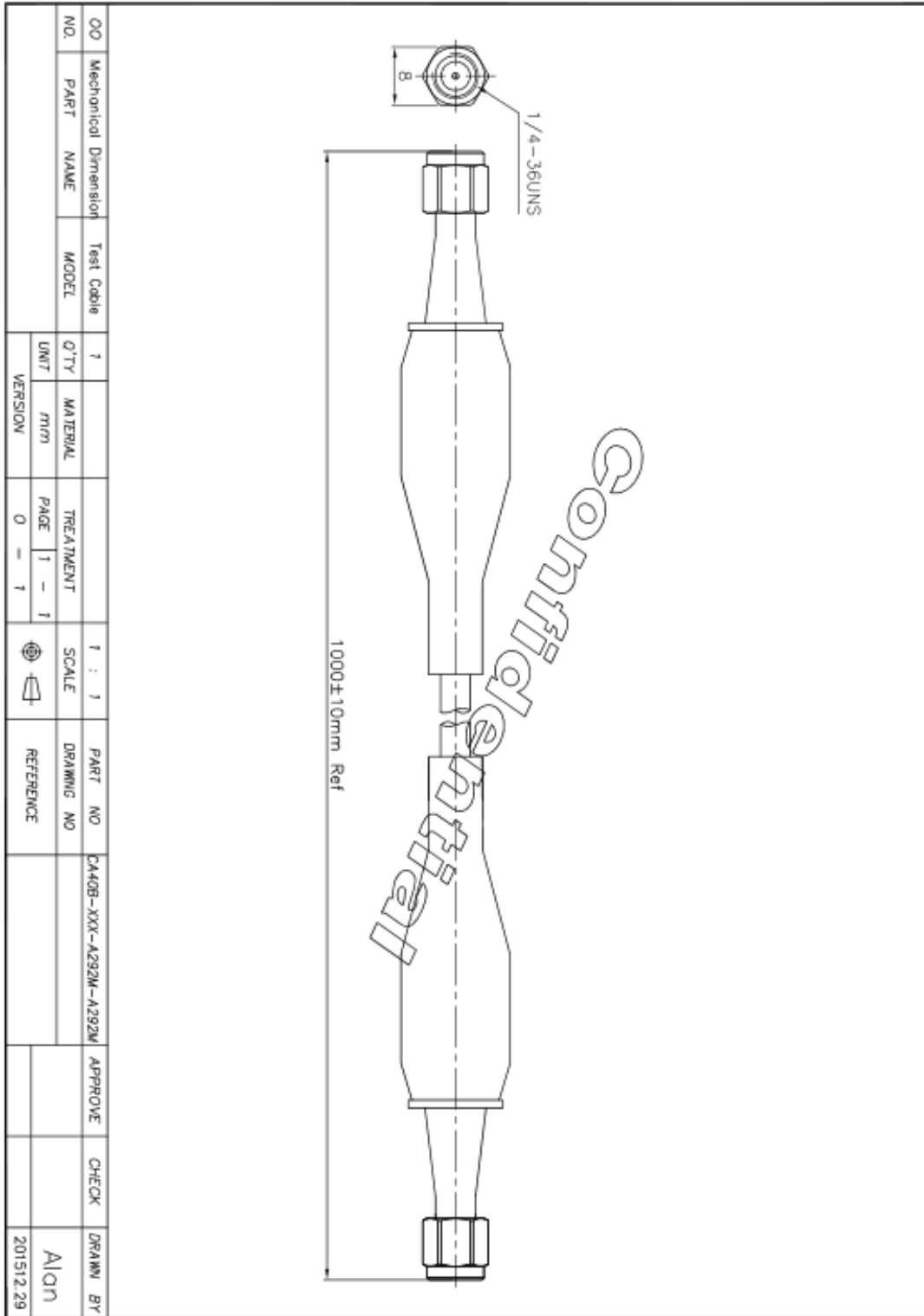
Meirgen Electronics Corp.

TEL: 886-7-5541877

FAX: 886-7-5547727

http://www.meirgen.com

E-mail: sales@meirgen.com.tw



A4