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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**CRYSTEK**  
MICROWAVE  
A DIVISION OF CRYSTEK CORPORATION

## 26.5 GHZ HAND FORMABLE .086 COAX CABLES



### 50 Ohm DC-26.5 GHz Hand Formable Coaxial Cables

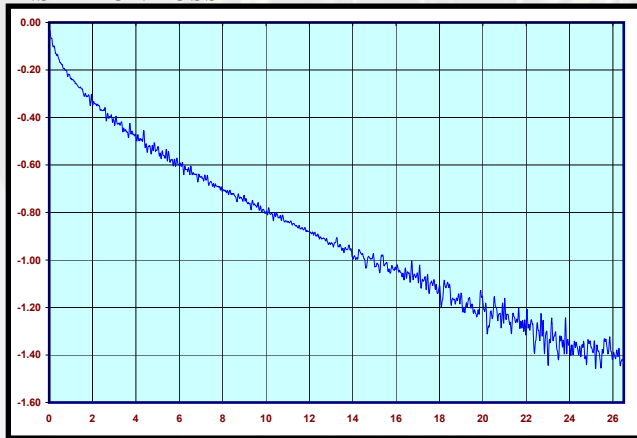
**Features:**

- Center Conductor:** Silver-plated copper wire
- Outer Braid:** Tin-soaked copper braid, 100% coverage
- Insulation:** PTFE (Polytetrafluoroethylene) dielectric
- Cable Outer Dia.:** 0.086" (2.2mm)
- Connectors:** Stainless Steel
- Center Pin:** Gold plated brass
- Operating Temperature:** -40°C to +85°C
- Minimum Bend Radius:** 0.125" (3.17mm) single bend  
0.99" (25mm) multiple bends

*Electrically Matched Pairs Available*

PN: CCSMA26.5-MM-086-12

**INSERTION LOSS**



**Electrical Specifications:**

- Impedance:** 50 Ohms
  - Frequency:** DC to 26.5 GHz
  - Insertion Loss:** 1.40 dB/ft at 26.5 GHz
  - VSWR:** <1.3, DC to 26.5 GHz
  - Nominal Capacitance:** 29 pF/ft
  - Velocity of Propagation:** 70%
  - RF Shielding:** > 100 dB
  - Attenuation (dB/ft):** 0.16 Typ. at 0.5 GHz  
0.22 Typ. at 1 GHz  
0.80 Typ. at 10 GHz  
1.13 Typ. at 18 GHz  
1.40 Typ. at 26.5 GHz
- \*connector loss not included (refer to actual cable plot below)*

- Avg. Power in (Watts):** 900 @ 100 MHz  
200 @ 1 GHz  
50 @ 10 GHz
- \*as specified at 20°C*

- Applications:** Jumpers  
Instrumentation  
High Frequency Interconnects



### SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCSMA26.5-MM-086-3	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	3"
CCSMA26.5-MM-086-4	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	4"
CCSMA26.5-MM-086-5	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	5"
CCSMA26.5-MM-086-6	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	6"
CCSMA26.5-MM-086-7	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	7"
CCSMA26.5-MM-086-8	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	8"
CCSMA26.5-MM-086-10	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	10"
CCSMA26.5-MM-086-12	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	12"



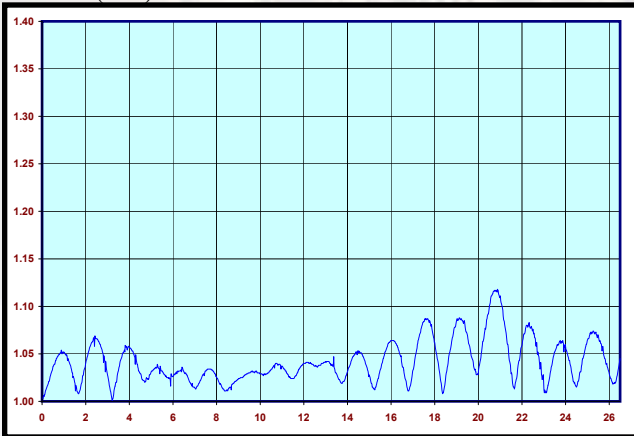
**CRYSTEK**  
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913  
PHONE: 239-561-3311 • 800-237-3061 Rev.: A  
FAX: 239-561-1025 • WWW.CRYSTEK.COM Date: 10-16-11

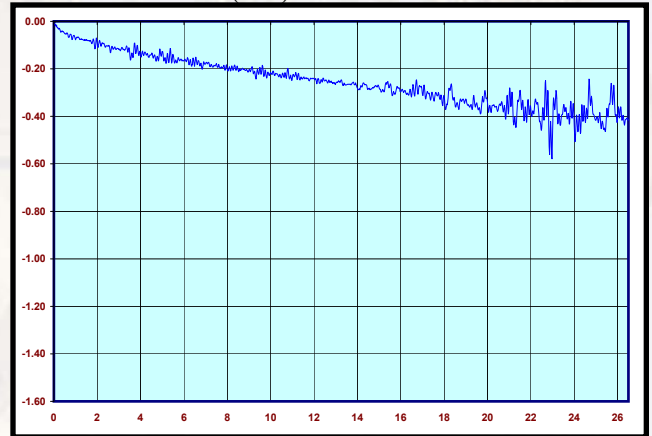


Data plots contained within this specification is generated from actual production cable assemblies. This data represents the typical performance that can be expected from each cable assembly. The data is plotted from raw data without modification (IE: Smoothing or Averaging.)

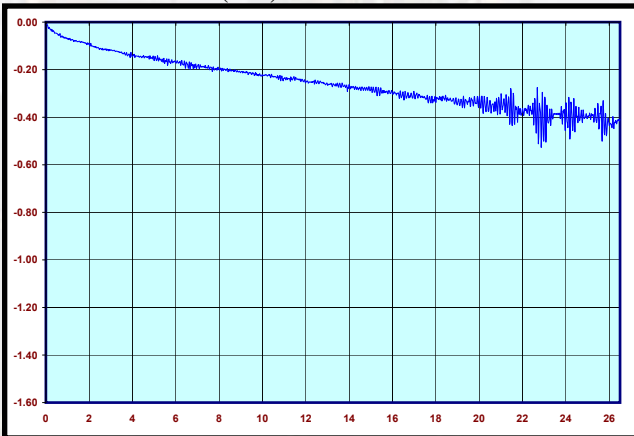
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VSWR (S11)



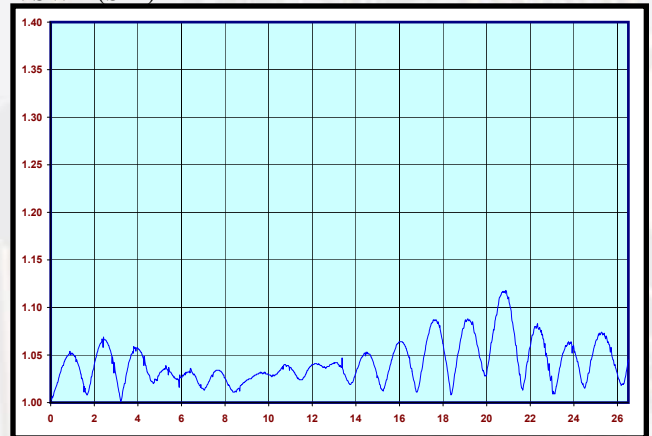
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-3  
INSERTION LOSS (S21)



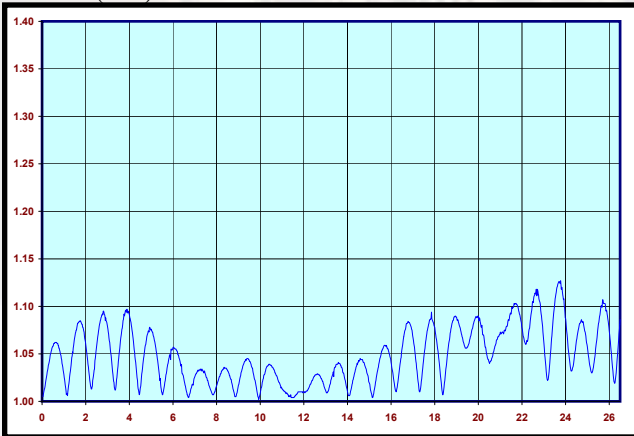
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VSWR (S22)



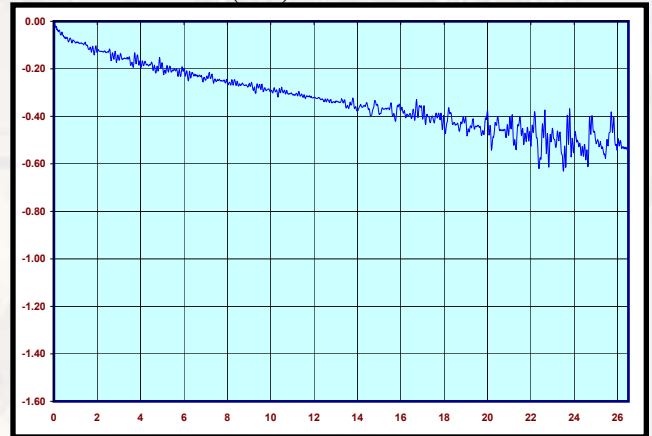


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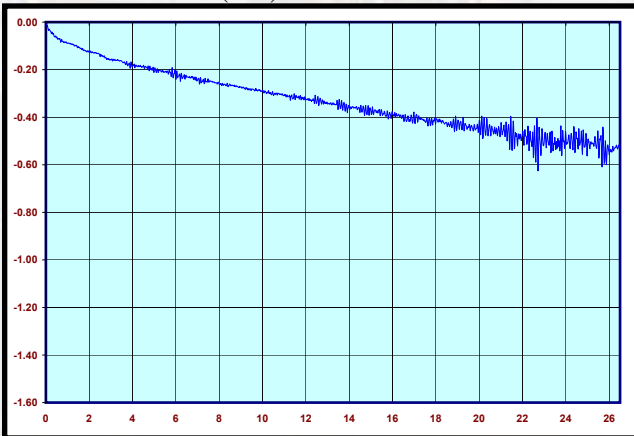
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VSWR (S11)



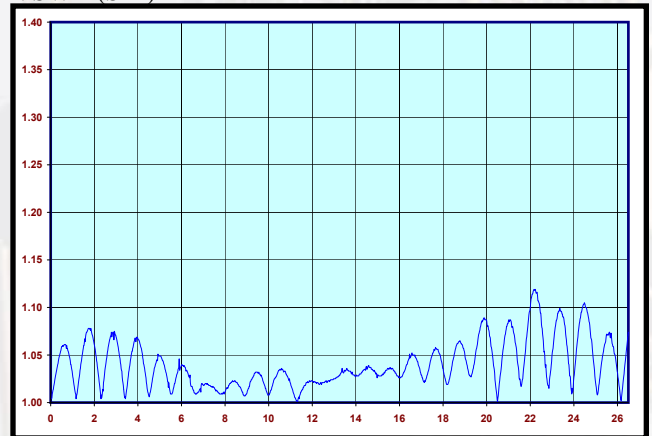
PN: CCSMA26.5-MM-086-4  
INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-4  
INSERTION LOSS (S21)



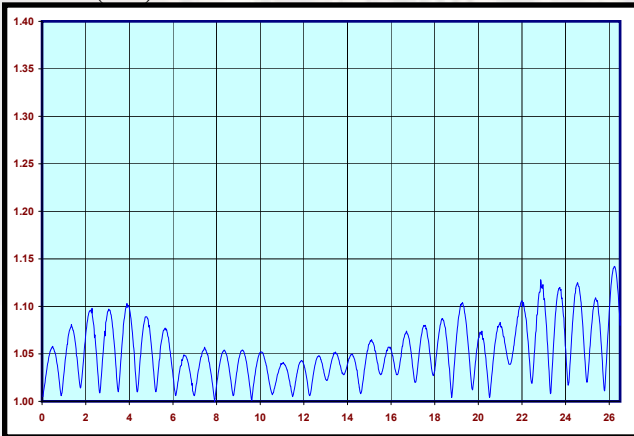
PN: CCSMA26.5-MM-086-4  
VSWR (S22)



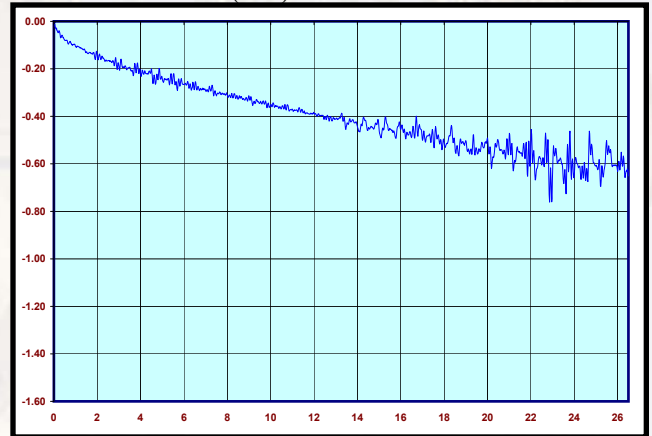


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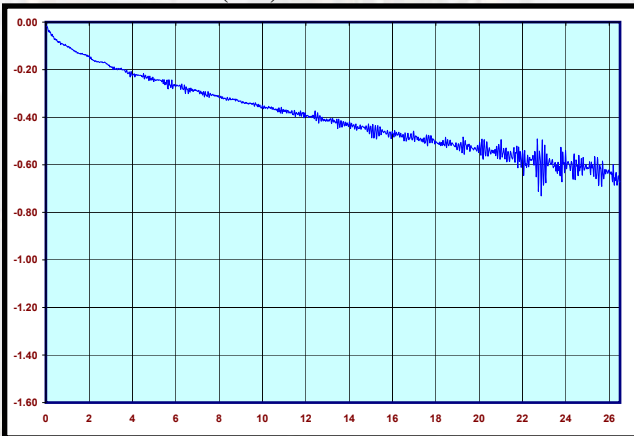
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VSWR (S11)



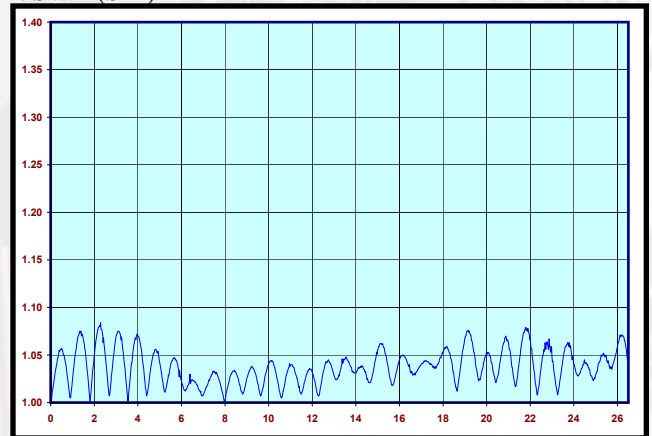
PN: CCSMA26.5-MM-086-5  
INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-5  
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-5  
VSWR (S22)





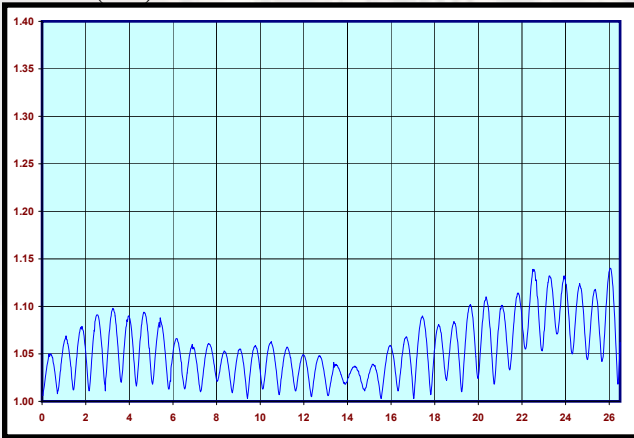
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 .086 COAX CABLES**

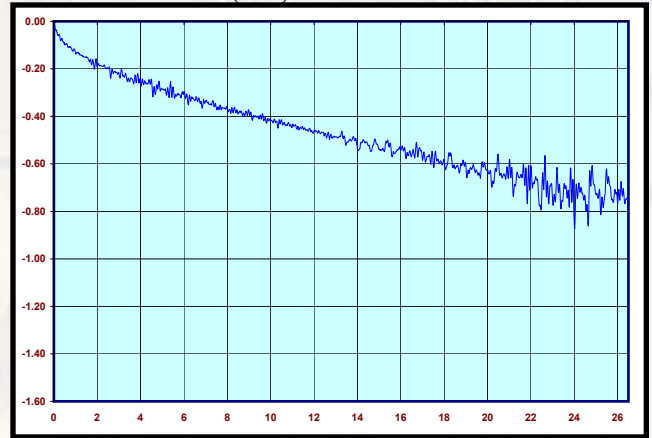


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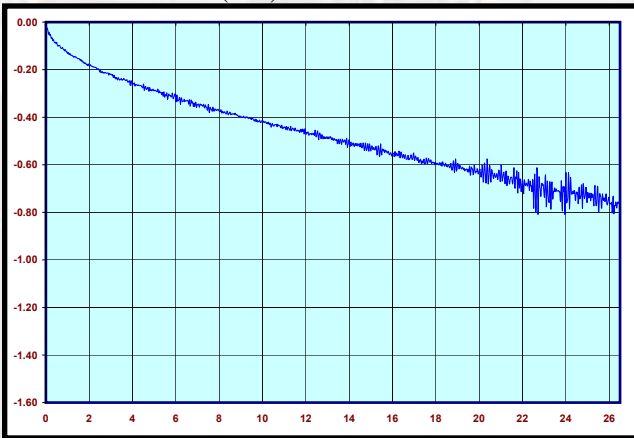
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 VSWR (S11)



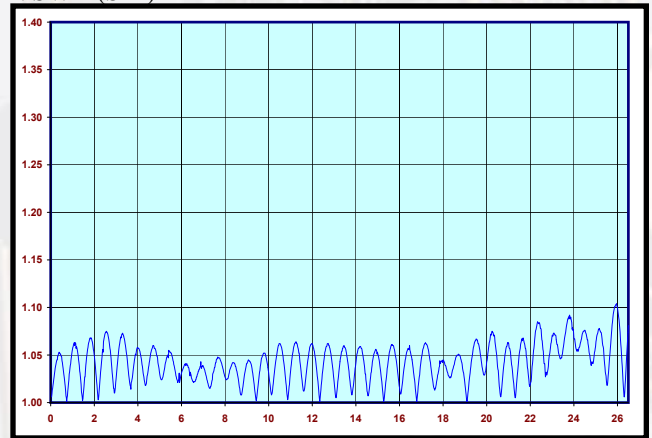
PN: CCSMA26.5-MM-086-6  
 INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-6  
 INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-6  
 VSWR (S22)



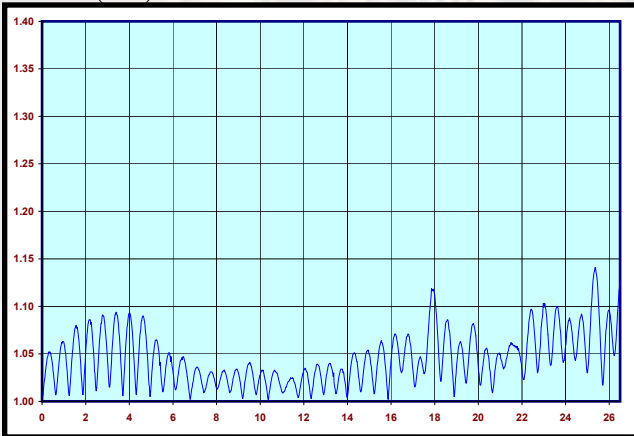
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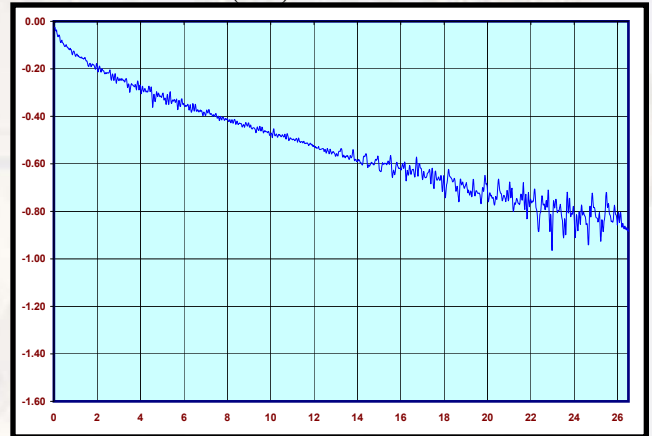


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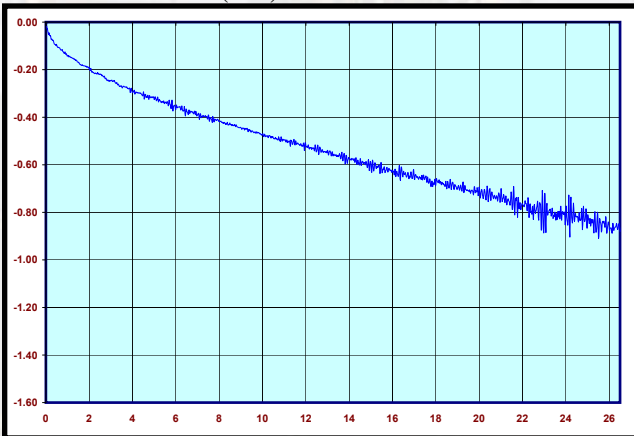
PN: CCSMA26.5-MM-086-7  
VSWR (S11)



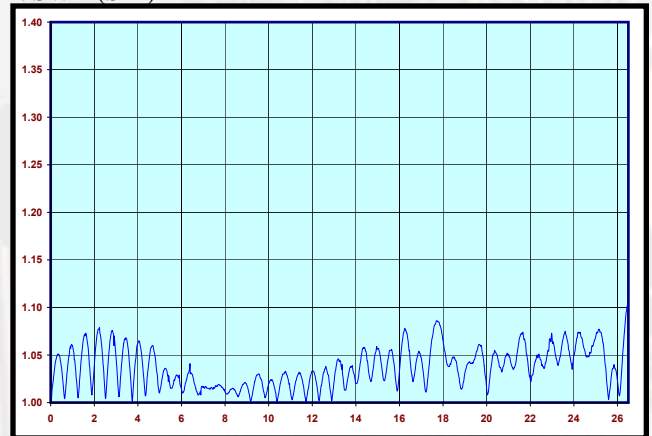
PN: CCSMA26.5-MM-086-7  
INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-7  
INSERTION LOSS (S21)



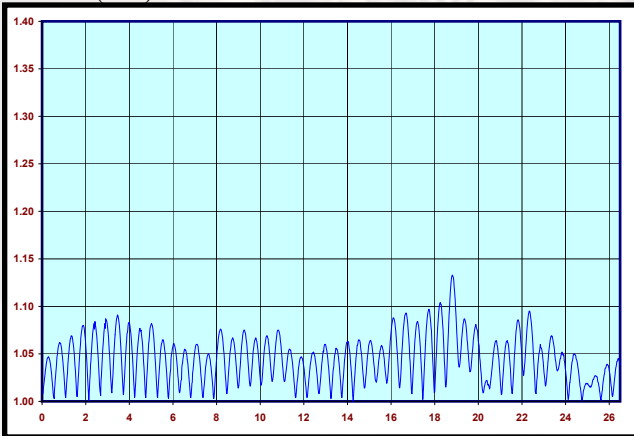
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VSWR (S22)



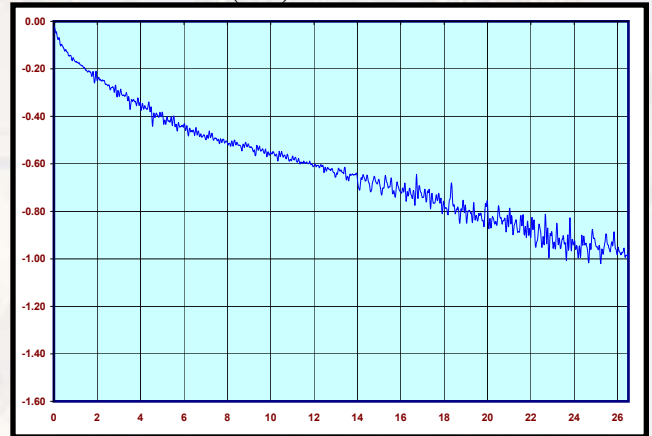


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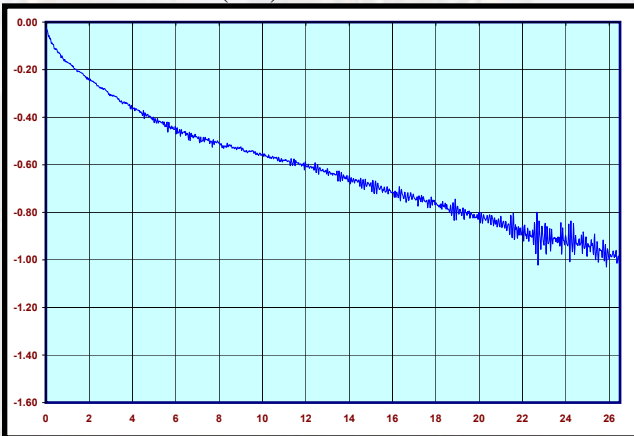
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VSWR (S11)



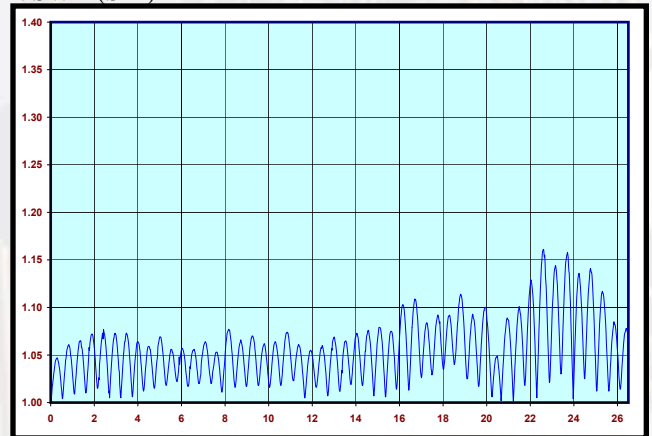
PN: CCSMA26.5-MM-086-8  
INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-8  
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-8  
VSWR (S22)

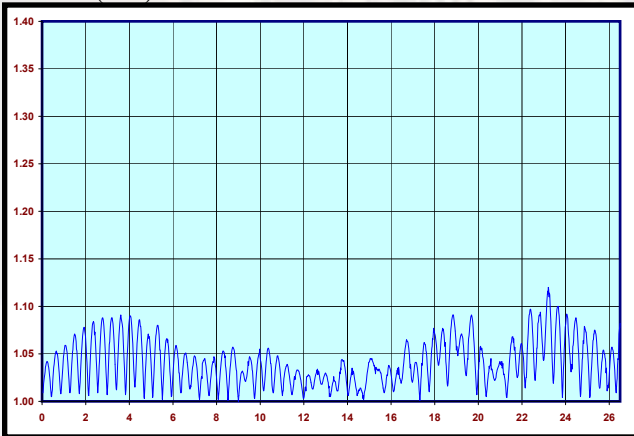




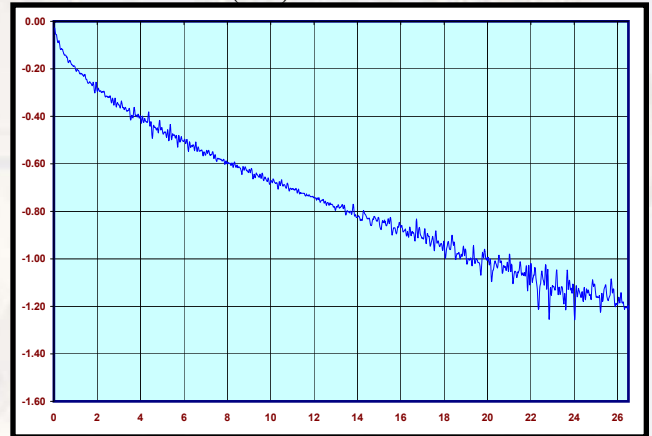


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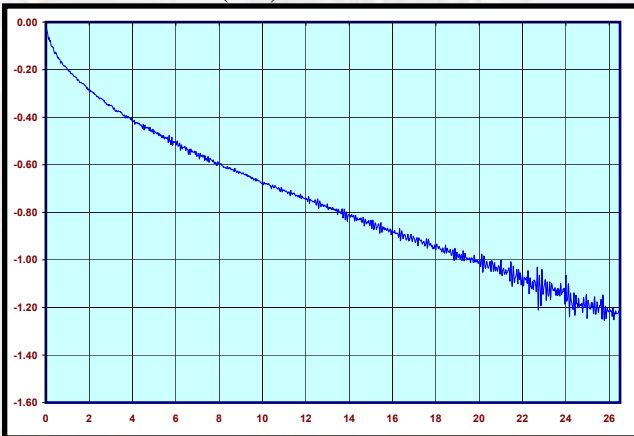
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VSWR (S11)



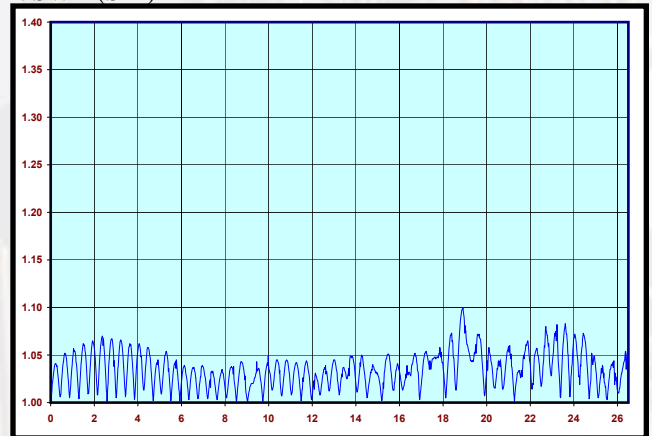
PN: CCSMA26.5-MM-086-10  
INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-10  
INSERTION LOSS (S21)



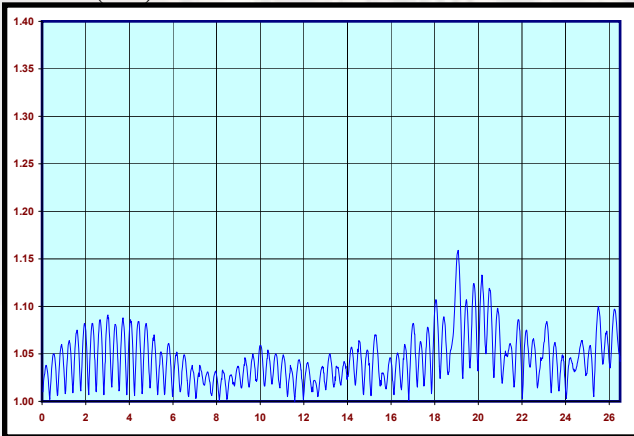
PN: CCSMA26.5-MM-086-10  
VSWR (S22)



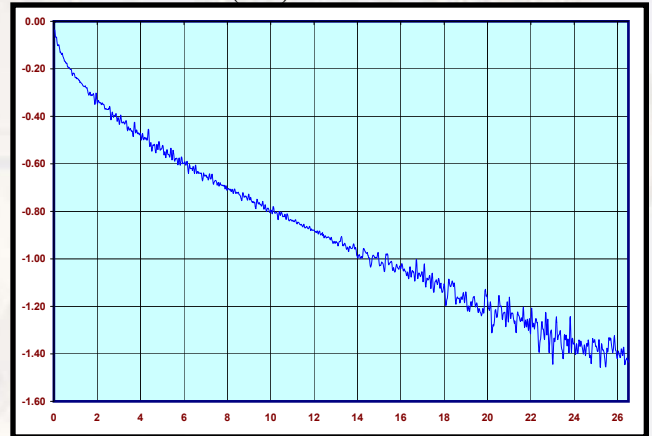


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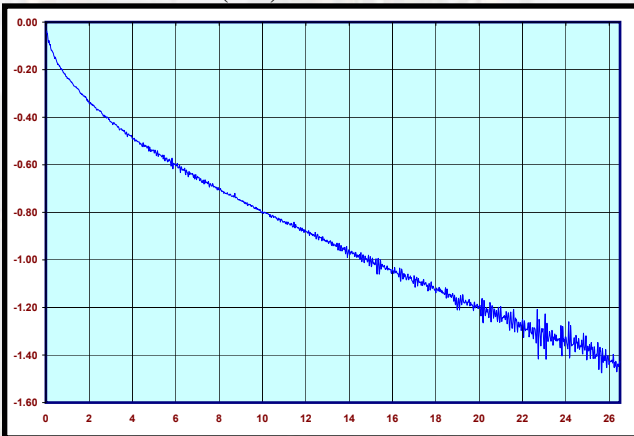
PN: CCSMA26.5-MM-086-12  
VSWR (S11)



PN: CCSMA26.5-MM-086-12  
INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-12  
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-12  
VSWR (S22)

