



**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

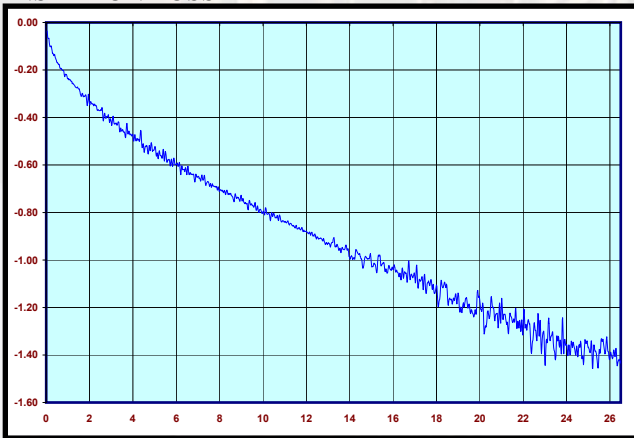
**Features:**

- 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"



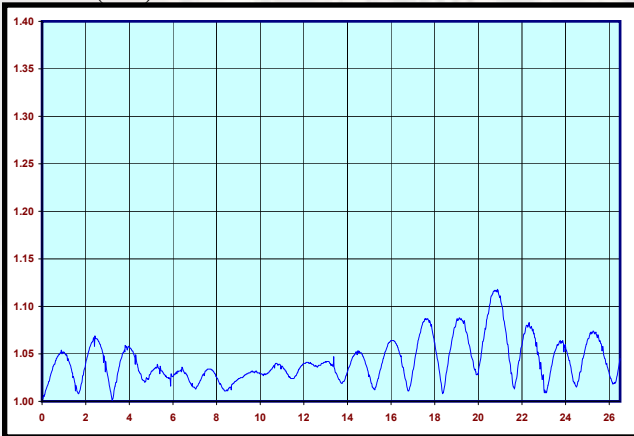
**CRYSTEK**  
CORPORATION

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

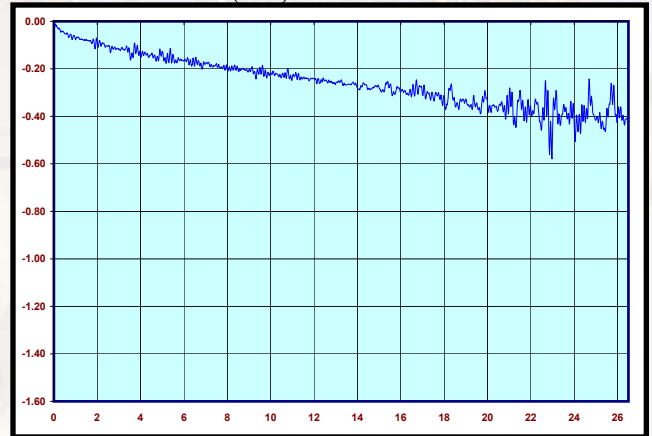


Data plots contained within this specification is generated from actual production cable assemblies. This data represents the typical performance that can be expected from each cable assembly. The data is plotted from raw data without modification (IE: Smoothing or Averaging.)

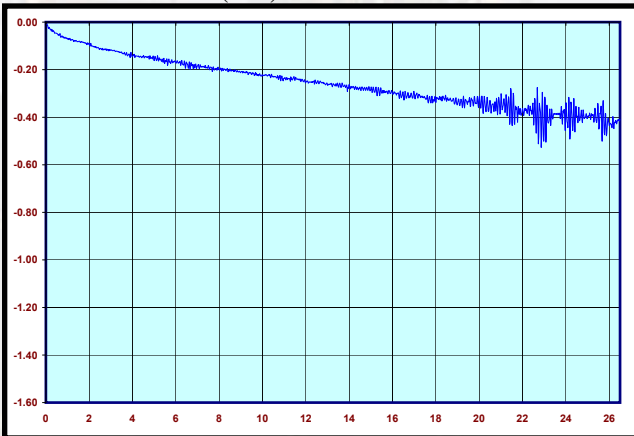
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VSWR (S11)



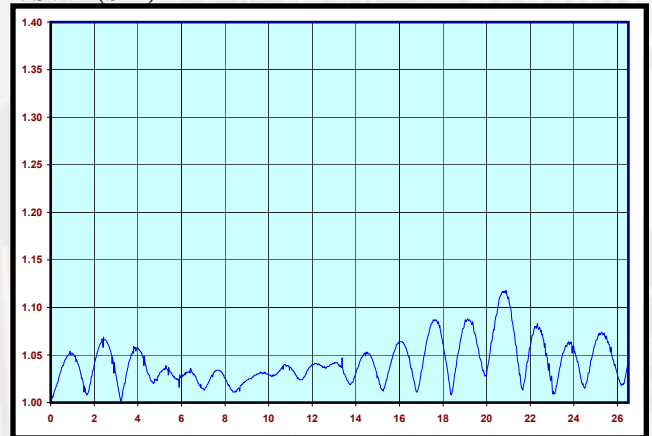
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INSERTION LOSS (S12)



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



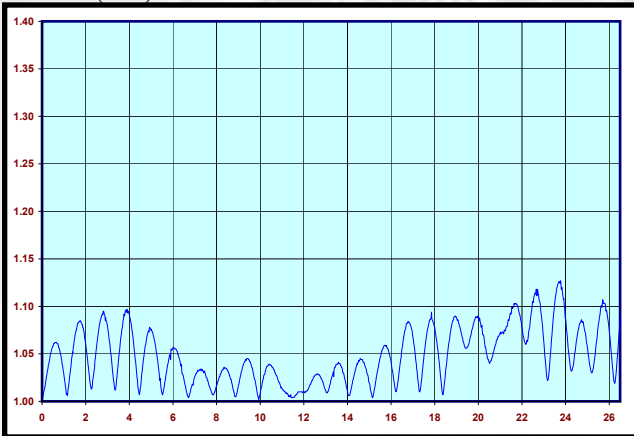
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VSWR (S22)



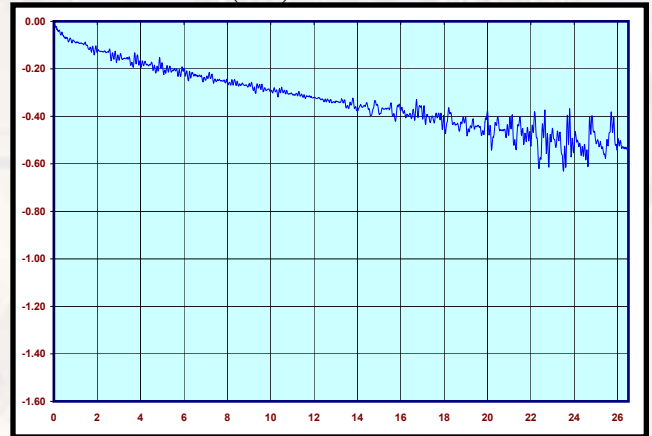


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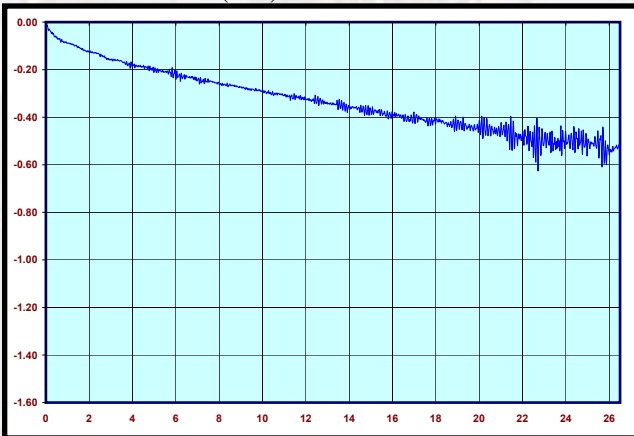
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VSWR (S11)



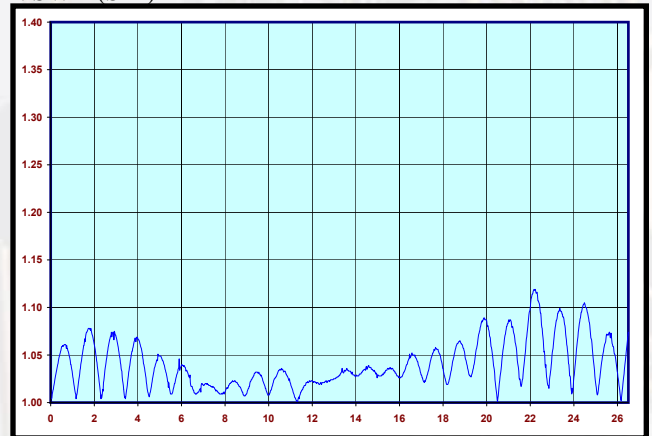
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INSERTION LOSS (S12)



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



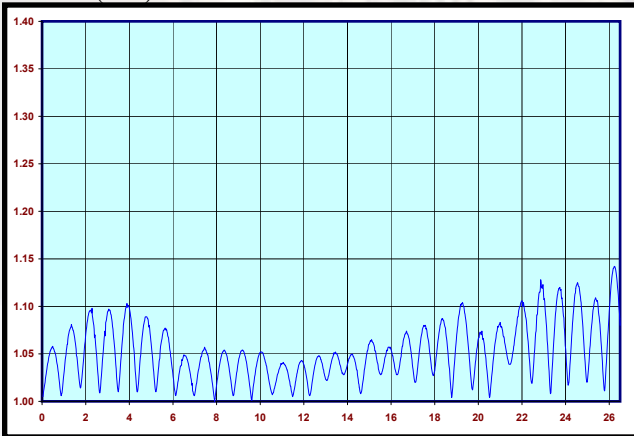
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VSWR (S22)



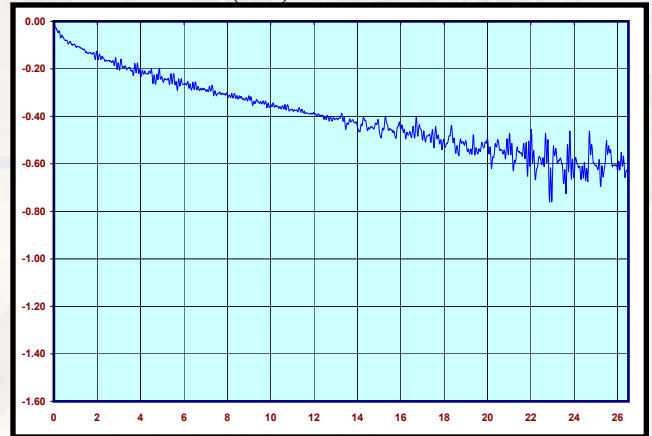


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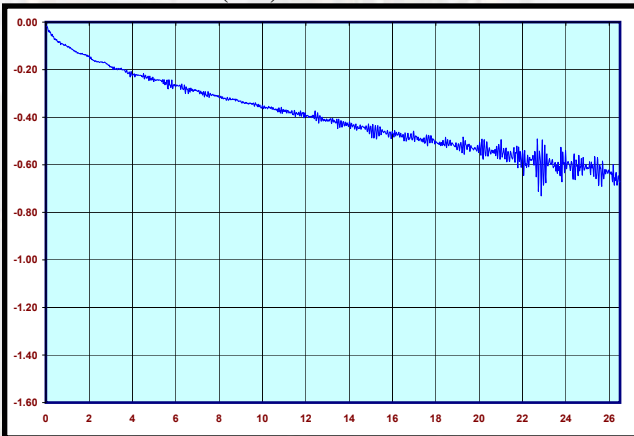
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VSWR (S11)



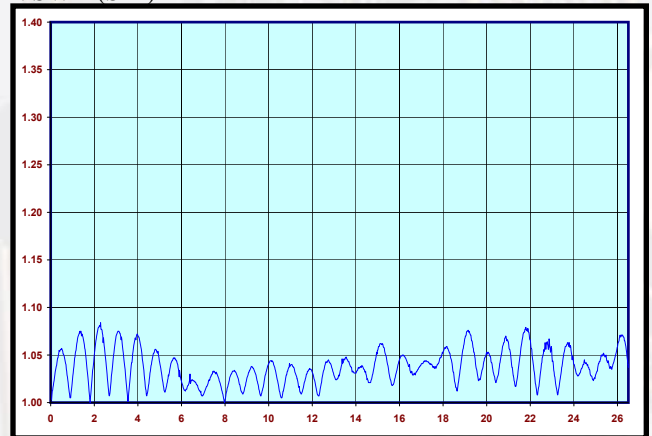
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INSERTION LOSS (S12)



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



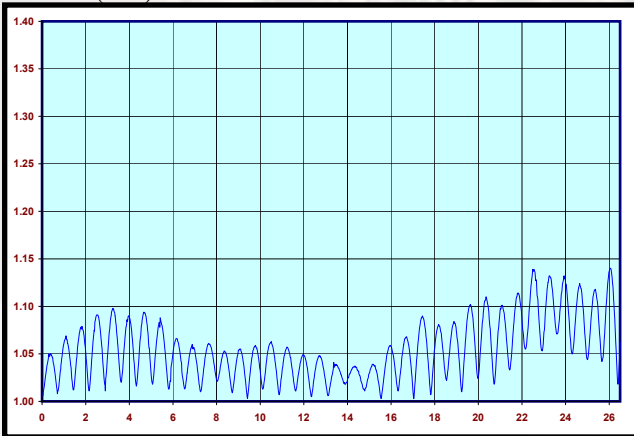
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VSWR (S22)



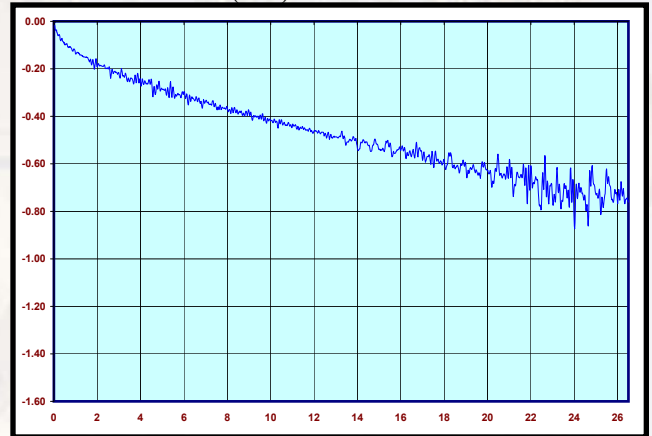


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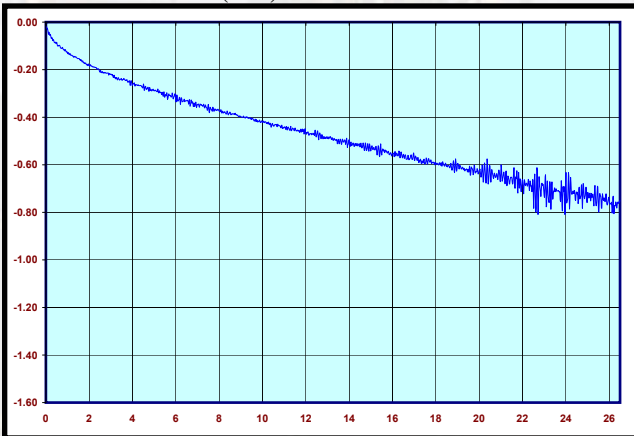
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VSWR (S11)



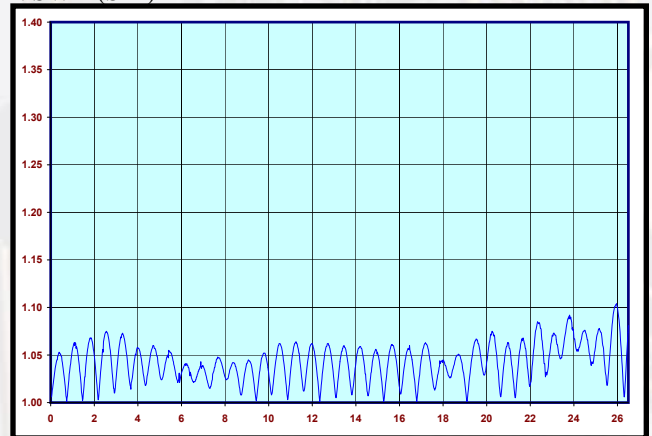
PN: CCSMA26.5-MM-086-6  
INSERTION LOSS (S12)



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



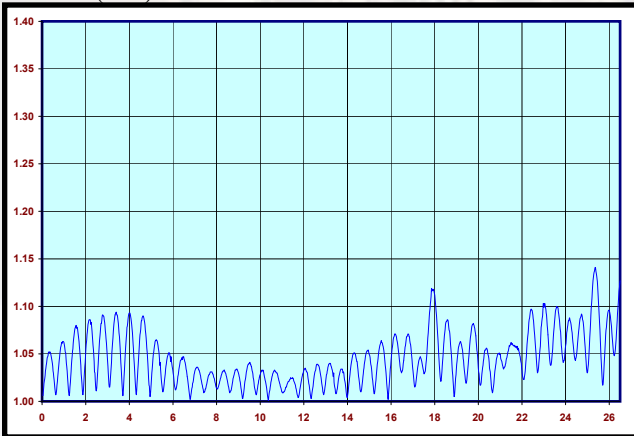
PN: CCSMA26.5-MM-086-6  
VSWR (S22)



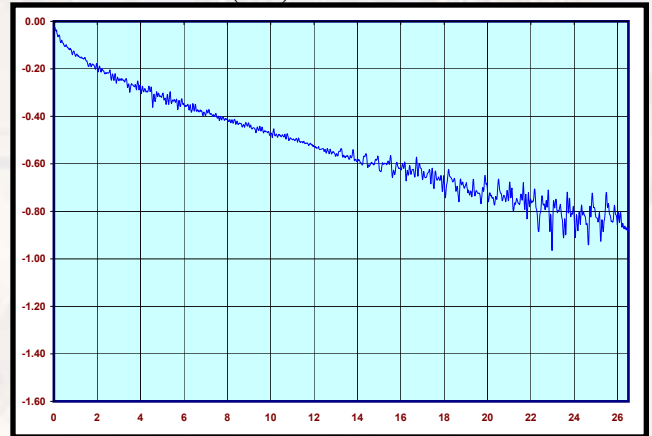


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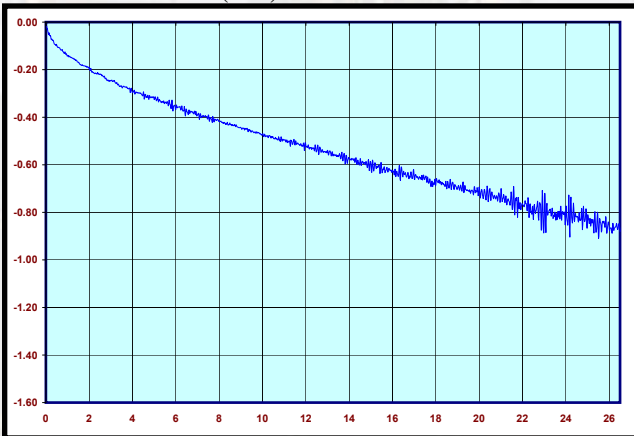
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VSWR (S11)



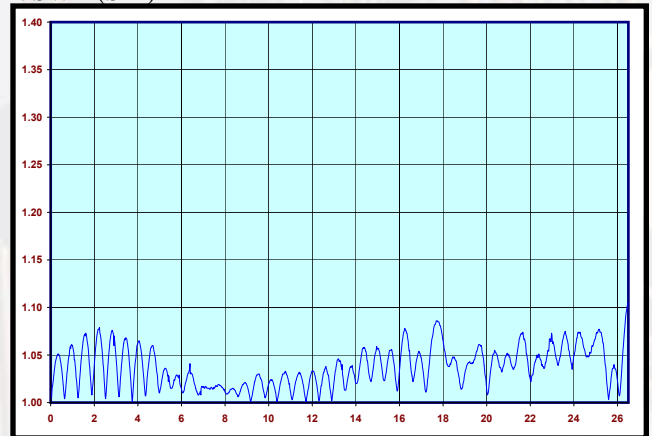
PN: CCSMA26.5-MM-086-7  
INSERTION LOSS (S12)



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



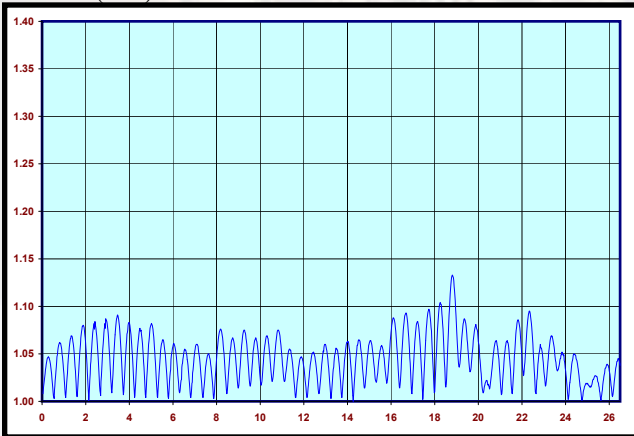
PN: CCSMA26.5-MM-086-7  
VSWR (S22)



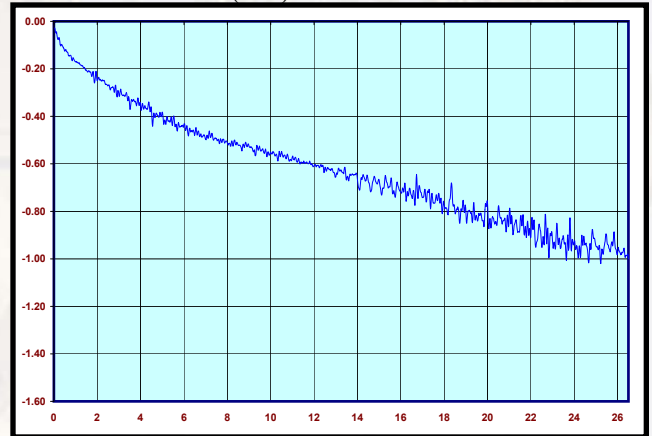


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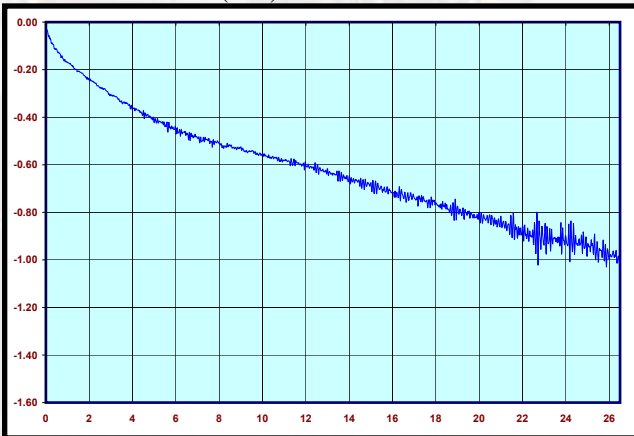
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VSWR (S11)



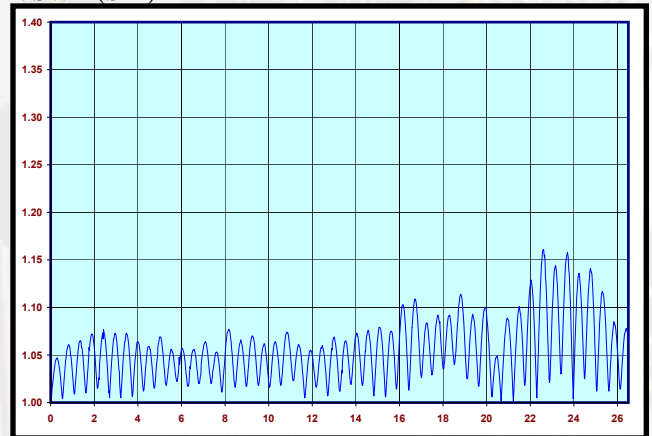
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INSERTION LOSS (S12)



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



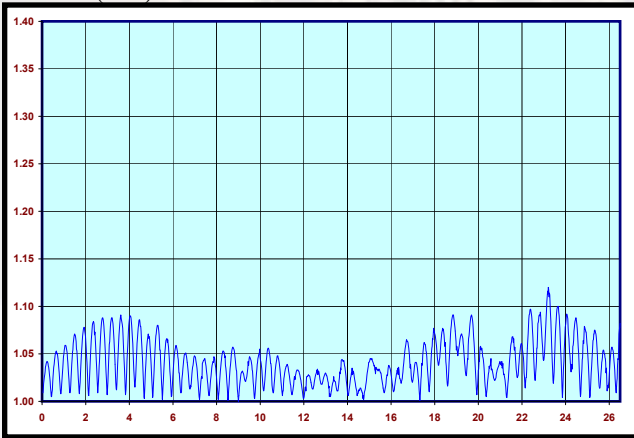
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VSWR (S22)



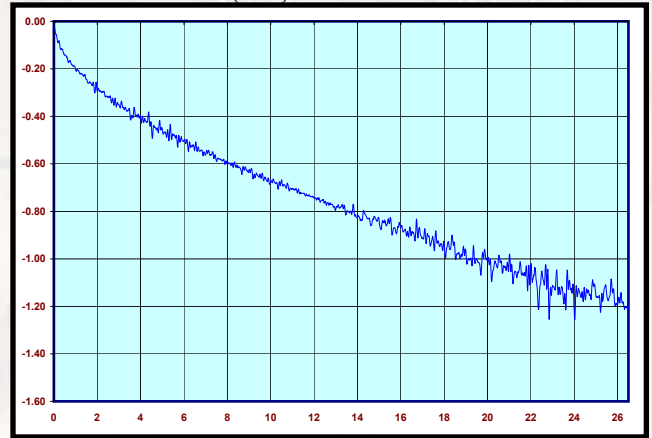


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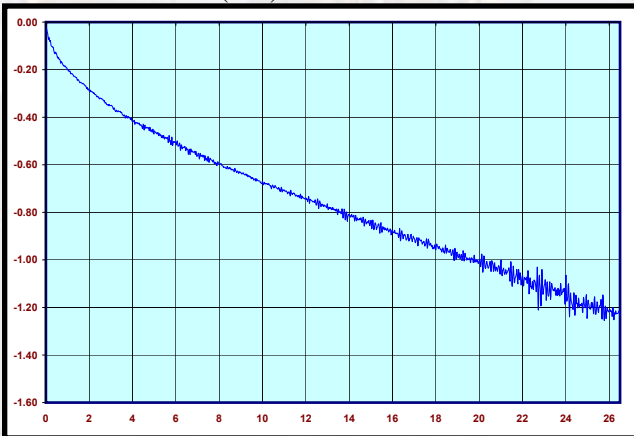
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VSWR (S11)



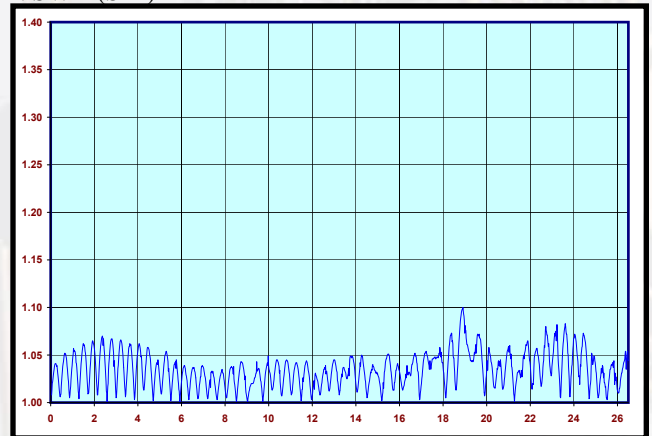
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INSERTION LOSS (S12)



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



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

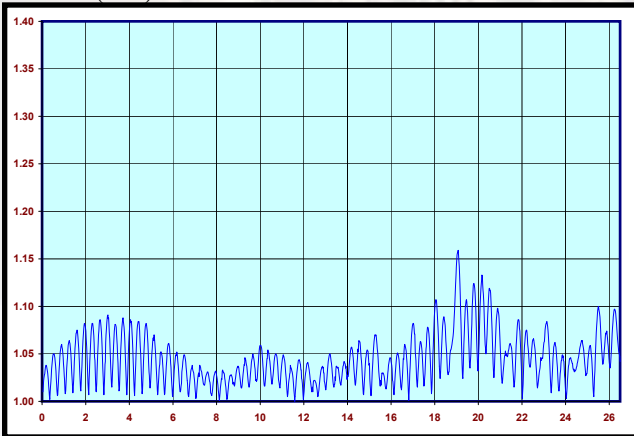




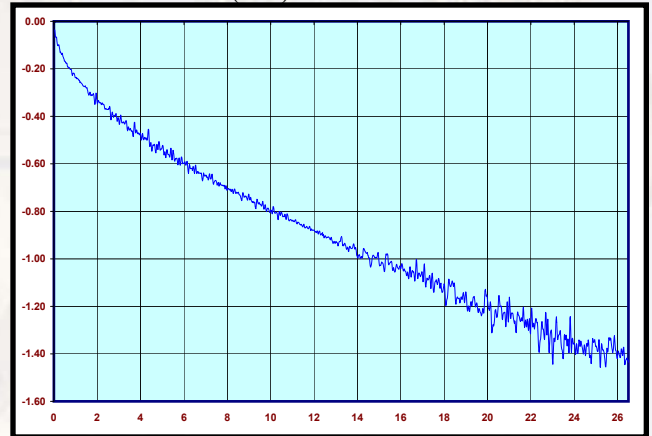


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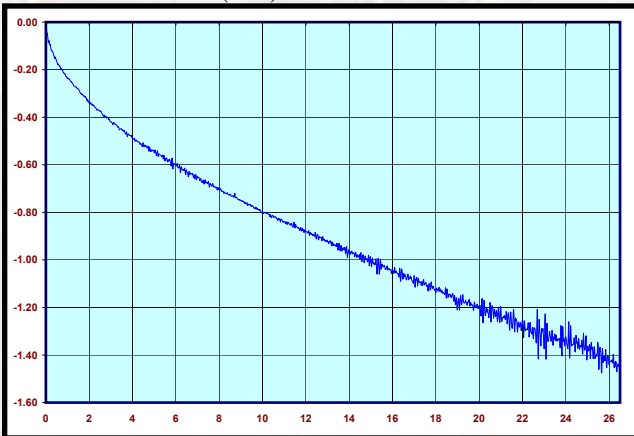
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VSWR (S11)



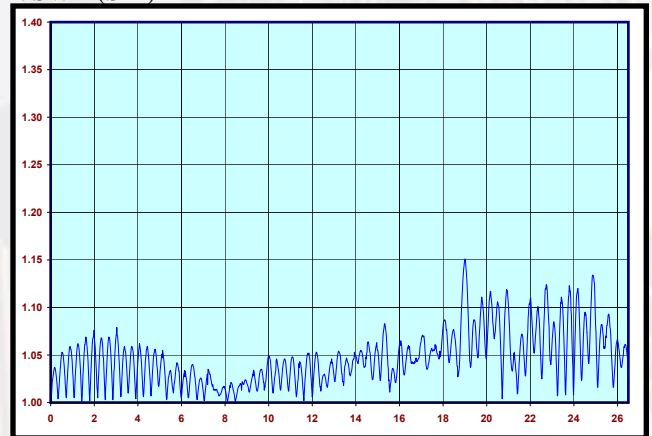
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INSERTION LOSS (S12)



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



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





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.