



**DC TO 40 GHz**

**ABSORPTIVE**

**55 dB MINIMUM ISOLATION**

**15 nS ULTRA-HIGH SPEED**

**SPST, SOLID STATE SWITCH**

**AMC MODEL No:**

**SWCH1-DC40-SK**

**SERIAL No: IMS409221**

**DESIGNED AND TESTED  
BY  
S. KUHN**

**REPORT  
BY  
P. WOOD**

**OCTOBER 15, 2004**

**AMERICAN MICROWAVE CORPORATION, 7311-G GROVE ROAD, FREDERICK, MD 21704 • USA •**  
TEL: 301-662-4700 FAX: 301-662-4938  
EMAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com) WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)  
**ISO 9001 : 2000 CERTIFIED**



## Table of Contents

● Electrical Specifications and Photograph	Page 3
● Mechanical Outline and Standard Environmental Specifications	Page 4
● Product Feature for AMC Model No: SWCH1-DC40-SK, with “V” Connectors	Page 5
● Product Feature for AMC Model No: SWCH1K-DC40-SK, with “K” Connectors	Page 7
● Insertion Loss and Return Loss over Frequency as measured at: -40°C, -20°C, 0°C, +25°C, +70°C & +85°C	Page 9
● Isolation and Return Loss over Frequency as measured at: -40°C, -20°C, 0°C, +25°C, +70°C & +85°C	Page 14
● Switching Speed over Temperature, as measured at: -40°C, -20°C, 0°C, +25°C, +70°C & +85°C	Page 19



T53-SW-PW-1004

## DC TO 40 GHz, 55 dB MINIMUM ISOLATION, 15 nS ULTRA-HIGH SPEED, ABSORPTIVE, SOLID STATE SWITCH

### KEY FEATURES:

- ULTRA BROADBAND
- HIGH ISOLATION
- ABSORPTIVE
- HIGH SPEED



### AMC MODEL No: **SWCH1-DC40-SK**

### SPECIFICATIONS:

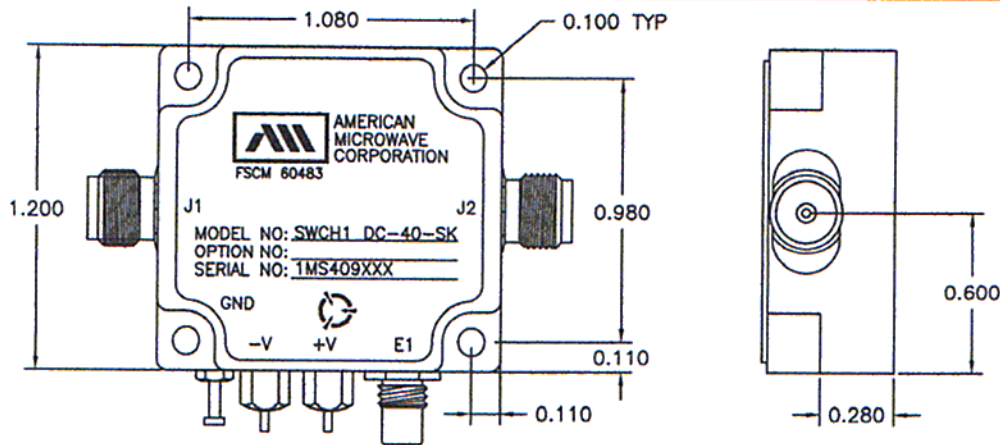
- |                     |  |
|---------------------|--|
| ● Frequency Range   | DC to 40 GHz (usable to 50 GHz)  |
| ● Insertion Loss    | 5.5 dB Typical / 6.8dB Maximum   |
| ● Isolation         | 65 dB Typical / 55 dB Minimum  |
| ● Rise / Fall Time  | 5 nS Typical / 9 nS Maximum  |
| ● Switching Time    | 15 nS Maximum  |
| ● RF Input Power    | +17 dBm Maximum  |
| ● DC on RF Input    | ±0.5 VDC Maximum   |
| ● Control           | TTL ("1"= "On" Standard)<br>(Other Control Logics available)   |
| ● DC Power          |  |
| ● Positive          | + 8 to +15 VDC @ 15 mA Maximum   |
| ● Negative          | - 8 to -15 VDC @ 40 mA Maximum   |
| ● Connectors        |  |
| ● RF input / output | 1.85 mm "V" Connectors (Female)<br>2.40 mm Compatible<br>(Also available with 2.92mm "K" Connectors) |
| ● Control           | SMC (Male)   |
| ● Power             | Solder Pins  |
| ● Size              | 1.20" X 1.30" X 0.50"  |

AMERICAN MICROWAVE CORPORATION, 7311-G GROVE ROAD, FREDERICK, MD 21704 • USA •  
TEL: 301-662-4700 FAX: 301-662-4938

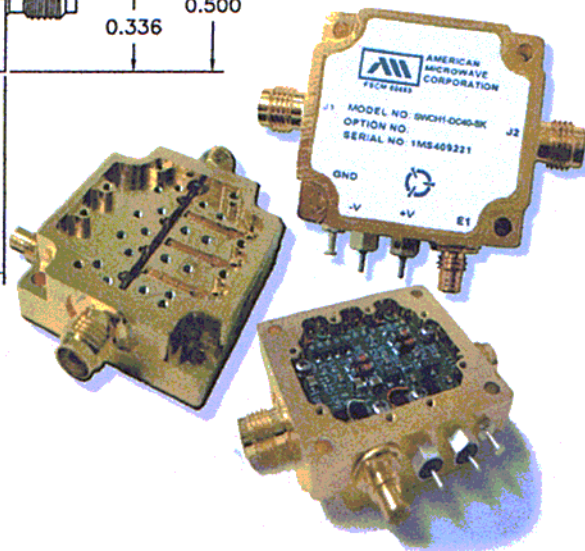
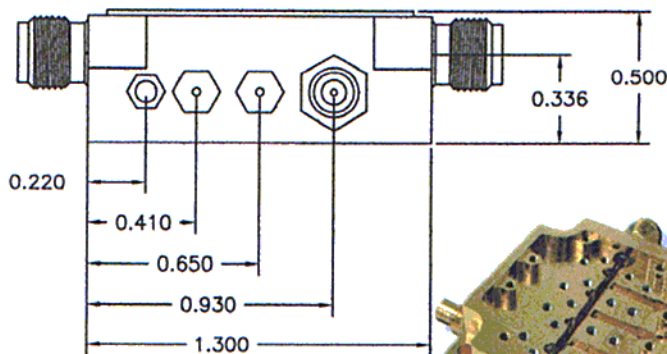
EMAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com) WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)

**ISO 9001 : 2000 CERTIFIED**

## MECHANICAL DRAWING AND ENVIRONMENTAL SPECIFICATIONS



ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 X.XX ±0.020  
 X.XXX ±0.010



### ENVIRONMENTAL SPECIFICATIONS:

- TEMPERATURE  
 Operating: -40°C to +85°C  
 Storage: -55°C to +125°C
- HUMIDITY  
 MIL-STD-202F, METHOD 103B, CONDITION B
- SHOCK  
 MIL-STD-202F, METHOD 213B, CONDITION B
- VIBRATION  
 MIL-STD-202F, METHOD 204D, CONDITION B
- ALTITUDE  
 MIL-STD-202F, METHOD 105C, CONDITION B
- TEMPERATURE CYCLE  
 MIL-STD-202F, METHOD 107D, CONDITION A

AMERICAN MICROWAVE CORPORATION, 7311-G GROVE ROAD, FREDERICK, MD 21704 • USA •  
 TEL: 301-662-4700 FAX: 301-662-4938

EMAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com) WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)

**ISO 9001 : 2000 CERTIFIED**

**PRODUCT FEATURE ON SWCH1-DC40-SK**

<b>REV</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>BY</b>	<b>APPROVED</b>
1	ORIGINAL RELEASE JOB# 307137PE	09/15/94	JXC	JXC

**DESCRIPTION**  
 AMC MODEL SWCH1-DC40-SK IS A TERMINATED SPST SWITCH WITH A FREQUENCY RANGE OF DC TO 40 GHz.

**FEATURES**

- HIGH FREQUENCY
- WIDE BANDWIDTH
- FAST RISE TIMES
- MINIATURE SIZE
- LOW POWER

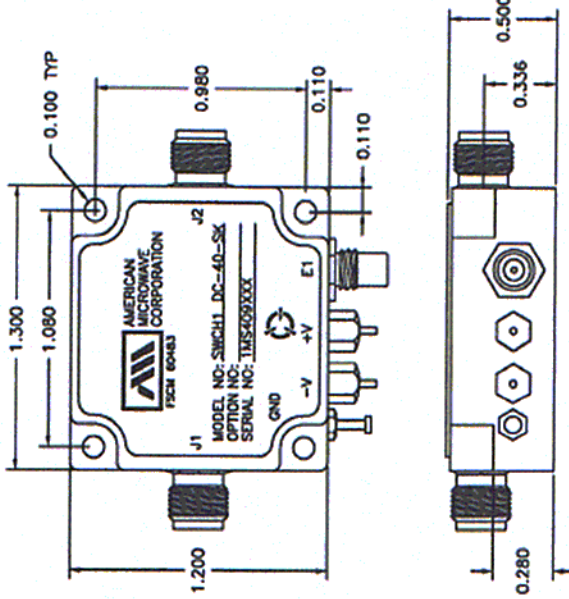
**SPECIFICATIONS**

- FREQUENCY RANGE: DC TO 40 GHz
- INSERTION LOSS: 5.5dB TYPICAL, 6.8dB MAXIMUM
- ISOLATION: 65 TYPICAL 55dB MINIMUM
- VSWR: 2.0:1 TYPICAL 2.2:1 MAXIMUM
- RISE / FALL TIME: 5ns TYPICAL 9ns MAXIMUM
- SWITCHING TIME: 15ns MAXIMUM
- CONTROL: TTL "1"-ON (STANDARD)
- RF POWER: 17dBm MAXIMUM
- DC on RF INPUT: ±0.5V MAXIMUM
- CONNECTORS: 1.85mm V CONNECTOR 2.40mm COMPATIBLE

**CONTROL POWER** SOLDER PINS

**DC POWER**

- +V: +8V TO +15V @ 15mA MAXIMUM
- V: -8V TO -15V @ 40mA MAXIMUM
- SIZE: 1.20" x 1.30" x 0.50"



**ENVIRONMENTAL RATINGS**

- TEMPERATURE: -40C TO +85C (OPERATING)  
-55C TO +125C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 2040 COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**AMERICAN MICROWAVE CORPORATION**

7311-G GROVE ROAD  
 FREDERICK, MARYLAND 21704 USA  
 TEL: 301-662-4700 FAX: 301-662-4938  
 WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)  
 E-MAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com)  
 ISO 9001:2000 CERTIFIED

**PRODUCT FEATURE**  
 SWCH1-DC40-SK

DC - 40 GHz, NON-REFLECTIVE SPST SWITCH

DATE: 9/9/94

REV: A

REV NO: 60-483

REV NO: 100-7090

FORM N5

1 OF 3

ALL DIMENSIONS ARE IN INCHES  
 UNLESS OTHERWISE SPECIFIED  
 .XXX .XX .X .000 .0010 .0015 .0020 .0030 .0050 .0100 .0150 .0300 .0500 .1000 .1500 .3000 .5000 .0005 .0010 .0015 .0020 .0030 .0050 .0100 .0150 .0300 .0500 .1000 .1500 .3000 .5000

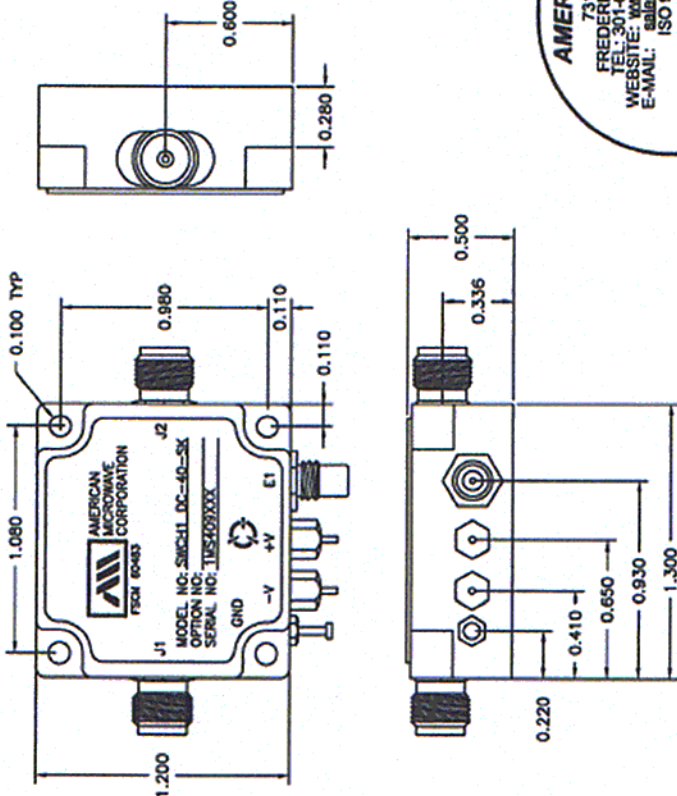
**PRODUCT FEATURE ON SWCH1-DC40-SK, MECHANICAL OUTLINE**

<b>REV</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>APPROVED</b>
1	ORIGINAL RELEASE JOB# 307137PE	10/12/99	JX

**DESCRIPTION**  
 AMC MODEL SWCH1-DC40-SK IS A TERMINATED SPST SWITCH WITH A FREQUENCY RANGE OF DC TO 40 GHz.

**MECHANICAL OUTLINE**



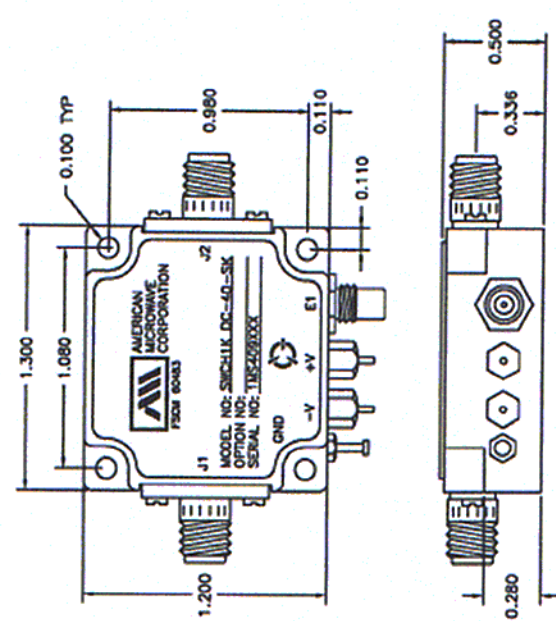
**NOTE:**  
 ENSURE NO EXCESSIVE MECHANICAL LOADS ARE PLACED ON THE 1.85mm V CONNECTORS

**AMERICAN MICROWAVE CORPORATION**  
 7311-G GROVE ROAD  
 FREDERICK, MARYLAND 21704 USA  
 TEL: 301-662-4700 FAX: 301-662-4938  
 WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)  
 E-MAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com)  
 ISO 9001:2000 CERTIFIED

<b>REV</b>	<b>DATE</b>	<b>DESCRIPTION</b>	<b>SCALE</b>	<b>SHEET</b>	<b>OF</b>
1	9/9/99	SWCH1-DC40-SK	DC - 40 GHz, NON-REFLECTIVE SPST SWITCH	100-7090	2 OF 3

ALL DIMENSIONS ARE IN INCHES  
 UNLESS OTHERWISE SPECIFIED  
 TOLERANCES ARE AS SHOWN

**PRODUCT FEATURE ON SWCH1K-DC40-SK**

<p><b>DESCRIPTION</b>          AMC MODEL SWCH1K-DC40-SK IS A TERMINATED SPST SWITCH WITH A FREQUENCY RANGE OF DC TO 40 GHz.</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• HIGH FREQUENCY</li> <li>• WIDE BANDWIDTH</li> <li>• FAST RISE TIMES</li> </ul> <p><b>SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• FREQUENCY RANGE ..... DC TO 40 GHz</li> <li>• INSERTION LOSS ..... 5.5dB TYPICAL, 6.8dB MAXIMUM</li> <li>• ISOLATION ..... 65 TYPICAL 55dB MINIMUM</li> <li>• VSWR ..... 2.0:1 TYPICAL 2.2:1 MAXIMUM</li> <li>• RISE/FALL TIME ..... 5ns TYPICAL 9ns MAXIMUM</li> <li>• SWITCHING TIME ..... 15ns MAXIMUM</li> <li>• CONTROL ..... TTL "1"=ON (STANDARD)</li> <li>• RF POWER ..... 17dBm MAXIMUM</li> <li>• DC on RF INPUT ..... ±0.5V MAXIMUM</li> <li>• CONNECTORS            RF IN/OUT ..... K Connector 2.92mm            CONTROL ..... SMC            POWER ..... SOLDER PINS</li> <li>• DC POWER            +V ..... +8V TO +15V @ 15mA MAXIMUM            -V ..... -8V TO -15V @ 40mA MAXIMUM</li> <li>• SIZE ..... 1.20" x 1.30" x 0.50"</li> <li>• OPTIONS            BRFS0 ..... RISE and FALL TIME 50ns</li> </ul>	 <p>1.300 1.080 0.100 TYP 0.980 0.110 1.200 0.280 0.500 0.336</p>	<p><b>AMERICAN MICROWAVE CORPORATION</b></p> <p>7311-G GROVE ROAD          FREDERICK, MARYLAND, 21704 USA          TEL: 301-662-4700 FAX: 301-662-4938          WEBSITE: <a href="http://www.americanmicrowavecorp.com">www.americanmicrowavecorp.com</a>          E-MAIL: <a href="mailto:sales@americanmicrowavecorp.com">sales@americanmicrowavecorp.com</a>          ISO 9001:2000 CERTIFIED</p> <p><b>PRODUCT FEATURE</b>          SWCH1K-DC40-SK          DC - 40 GHz, NON-REFLECTIVE SPST SWITCH</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>APPROVALS</td> <td>DATE</td> <td>REV</td> </tr> <tr> <td>JYC</td> <td>11/11/04</td> <td>1</td> </tr> </table> <p>SIZE FROM NO. 100-7160          A 60483          SHEET 1 OF 3</p> <p>ALL DIMENSIONS ARE IN INCHES          TOLERANCES:          XXXX ±0.010          XXXX ±0.010</p>	APPROVALS	DATE	REV	JYC	11/11/04	1
APPROVALS	DATE	REV						
JYC	11/11/04	1						

**NOTE:** \* SPECIFICATION MODIFIED BY OPTION

**ENVIRONMENTAL RATINGS**

- TEMPERATURE: ..... -40°C TO +85°C (OPERATING)  
 ..... -55°C TO +125°C (STORAGE)
- HUMIDITY: ..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK: ..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: ..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: ..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: ..... MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS MAY VARY OVER OPERATING TEMPERATURE  
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



**PRODUCT FEATURE ON SWCH1K-DC40-SK, MECHANICAL OUTLINE**

<p><b>REV</b></p> <p>DATE</p> <p>APPROVED</p>	<p><b>DESCRIPTION</b></p> <p>ORIGINAL RELEASE JOB# 409222-1N   10/10/04</p>	<p><b>REV</b></p> <p>DATE</p> <p>APPROVED</p>	<p><b>DESCRIPTION</b></p> <p>10/10/04</p>	<p><b>REV</b></p> <p>DATE</p> <p>APPROVED</p>	<p><b>DESCRIPTION</b></p> <p>10/10/04</p>
---	---	---	---	---	---

**DESCRIPTION**

AMC MODEL SWCH1K-DC40-SK IS A TERMINATED SPST SWITCH WITH A FREQUENCY RANGE OF DC TO 40 GHz.

**NOTE:**

ENSURE NO EXCESSIVE MECHANICAL LOADS ARE PLACED ON THE 1.85mm V CONNECTORS

**MECHANICAL OUTLINE**

**AMERICAN MICROWAVE CORPORATION**

7311-G GROVE ROAD  
 FREDERICK, MARYLAND 21704 USA  
 TEL: 301-662-4700 FAX: 301-662-4938  
 WEBSITE: [www.americamicrowavecorp.com](http://www.americamicrowavecorp.com)  
 E-MAIL: [sales@americamicrowavecorp.com](mailto:sales@americamicrowavecorp.com)  
 ISO 9001:2000 CERTIFIED

**MECHANICAL OUTLINE**

SWCH1K-DC40-SK

DC - 40 GHz, NON-REFLECTIVE SPST SWITCH

REV: 10/10/04

REV NO: 60483

100-7160

2 OF 3

ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 XXX .0020  
 XXX .0010

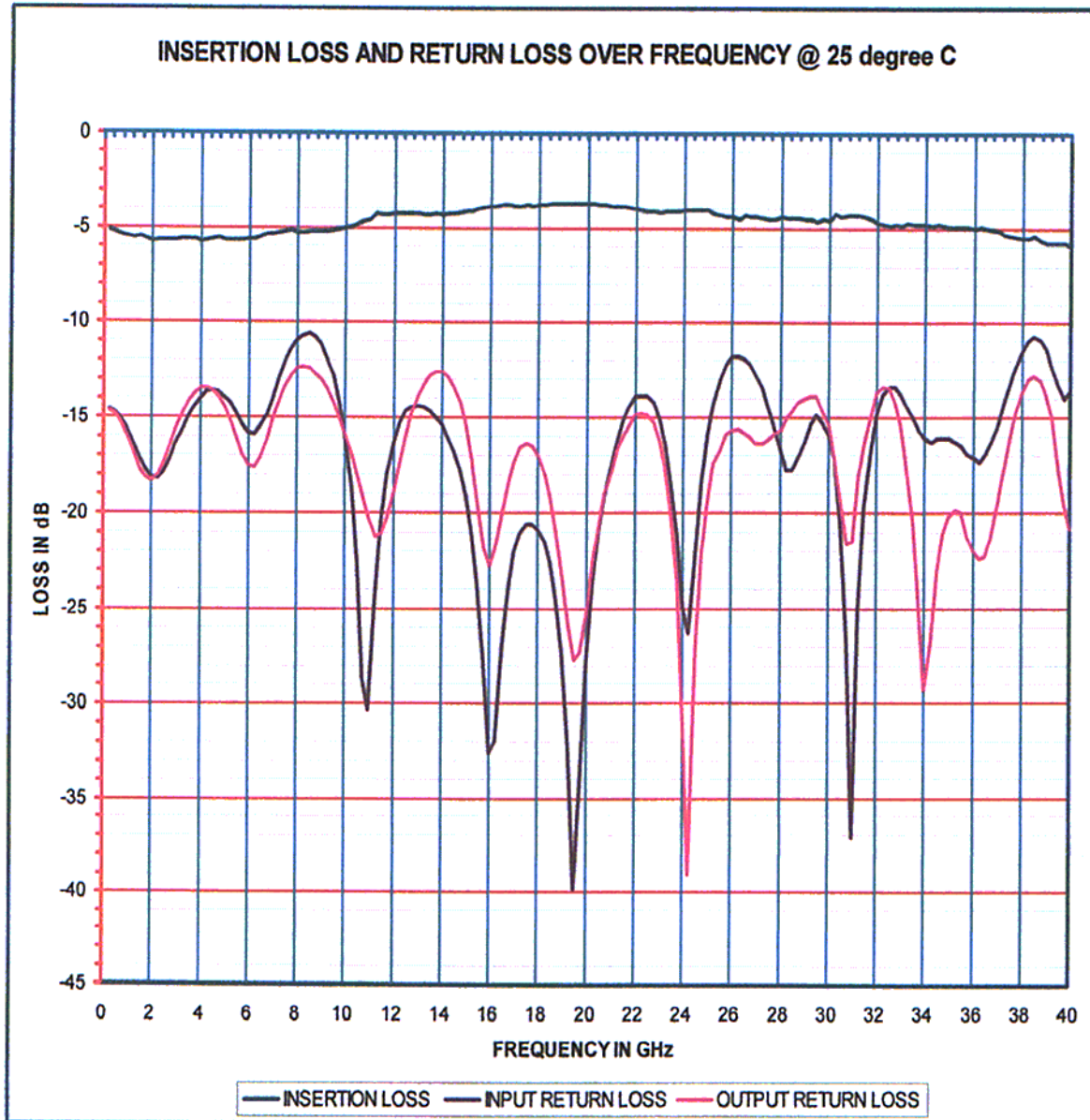


**INSERTION LOSS AND RETURN LOSS OVER FREQUENCY AND  
TEMPERATURE AS MEASURED AT:**

**-40°C, -20°C, 0°C, +25°C, +70°C AND +85°C**



**INSERTION LOSS AND RETURN LOSS OVER FREQUENCY**  
**AND TEMPERATURE AS MEASURED @ 25°C**



Insertion Loss Average : -4.66      Insertion Loss Worst Case : -5.94

Input Return Loss Average : -17.26      Output Return Loss Average : -17.47

AMERICAN MICROWAVE CORPORATION, 7311-G GROVE ROAD, FREDERICK, MD 21704 • USA •

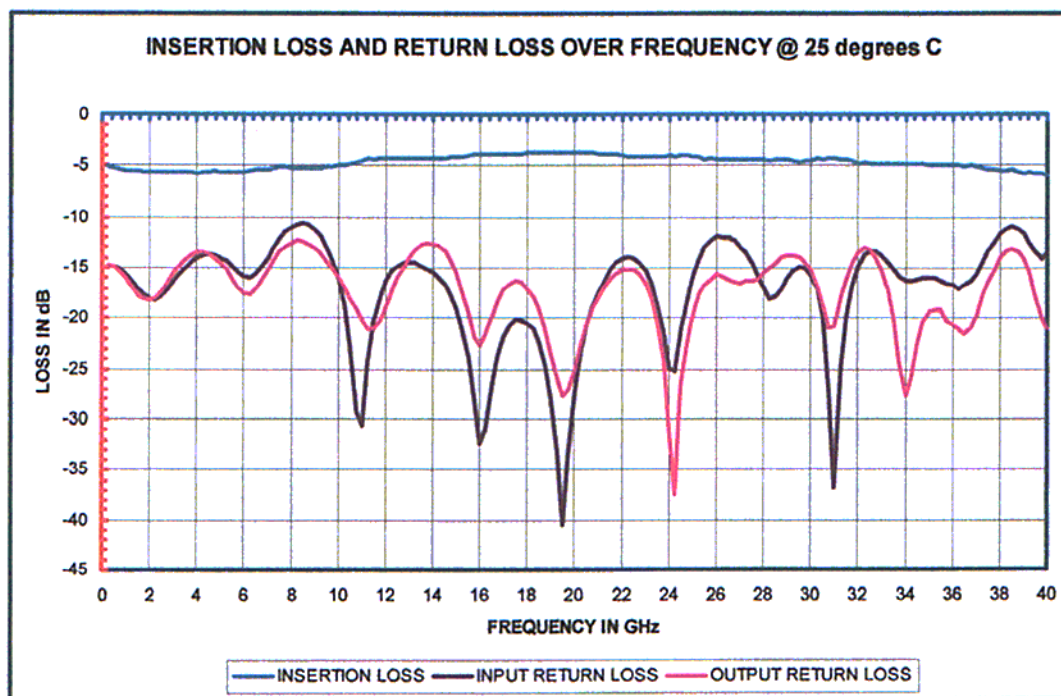
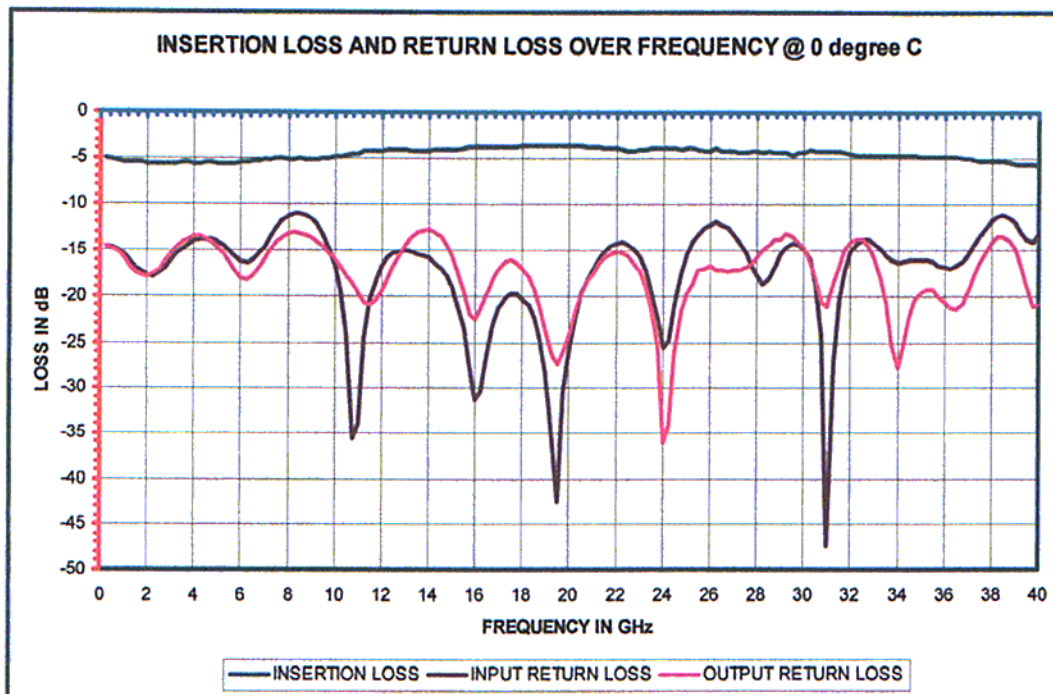
TEL: 301-662-4700 FAX: 301-662-4938

EMAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com) WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)

**ISO 9001 : 2000 CERTIFIED**

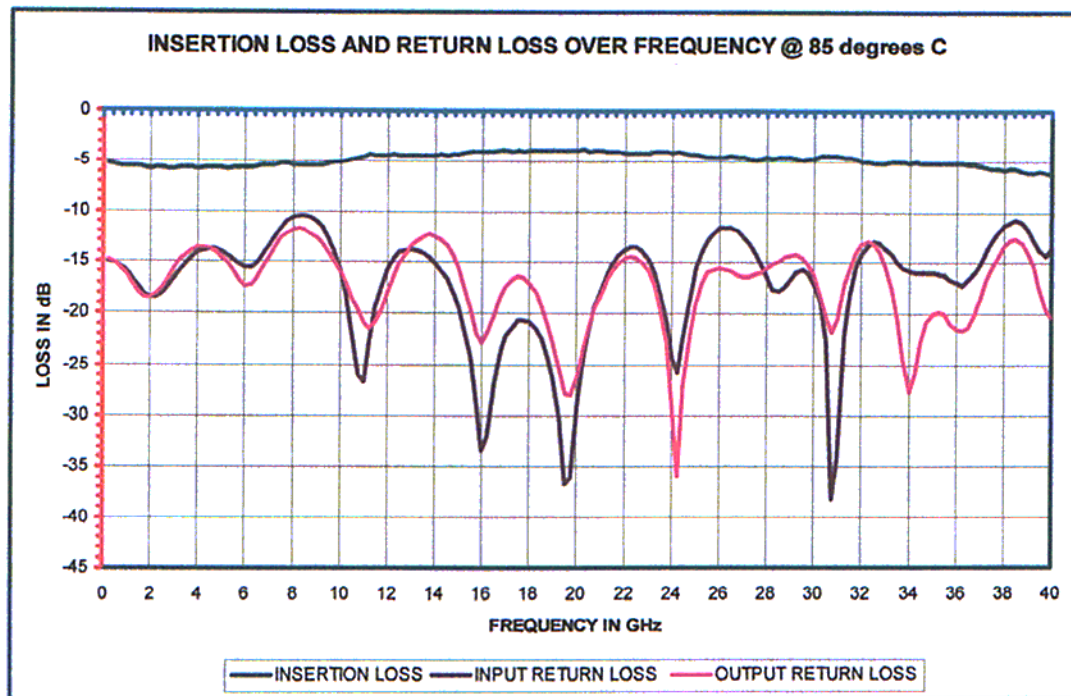
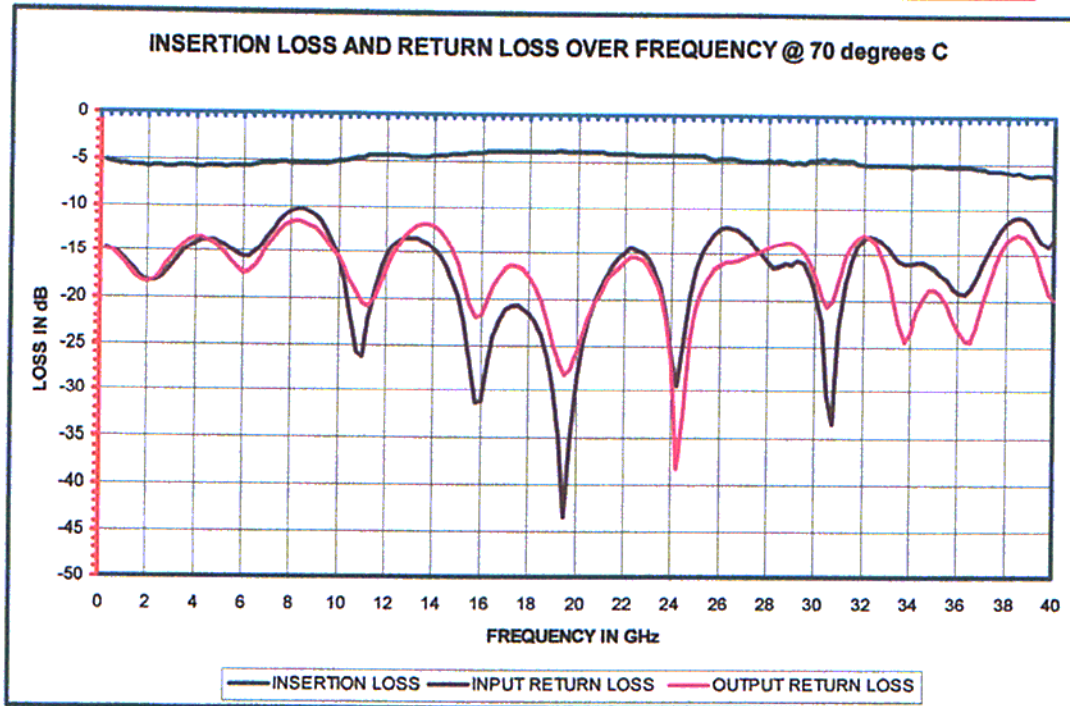


### INSERTION LOSS AND RETURN LOSS OVER FREQUENCY AND TEMPERATURE AS MEASURED @ 0°C & 25°C



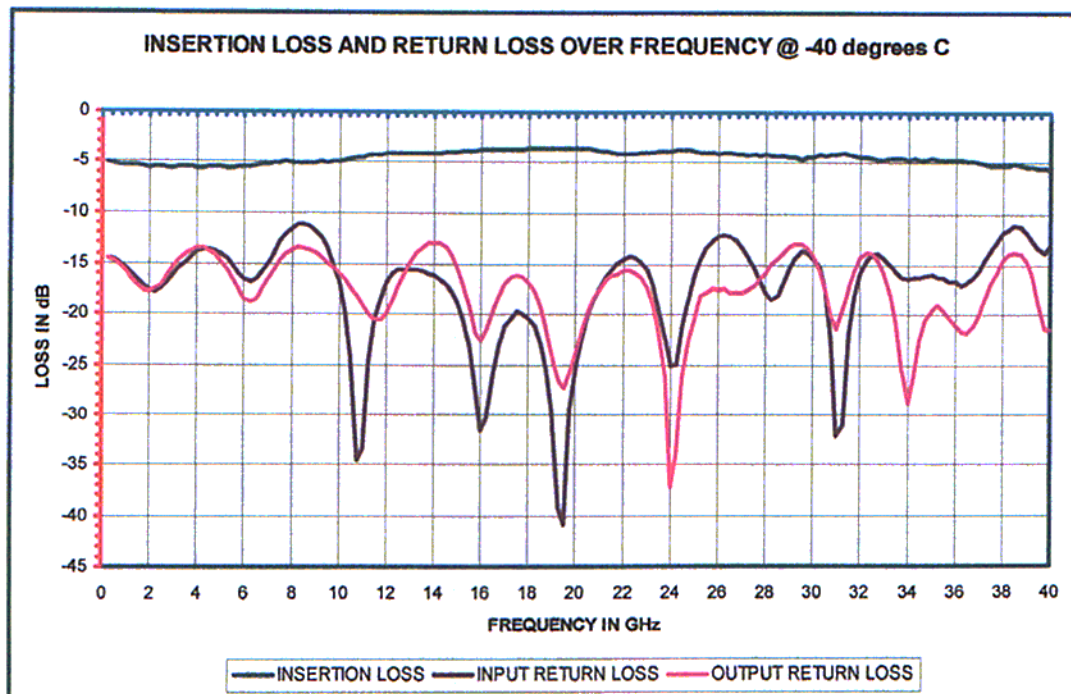
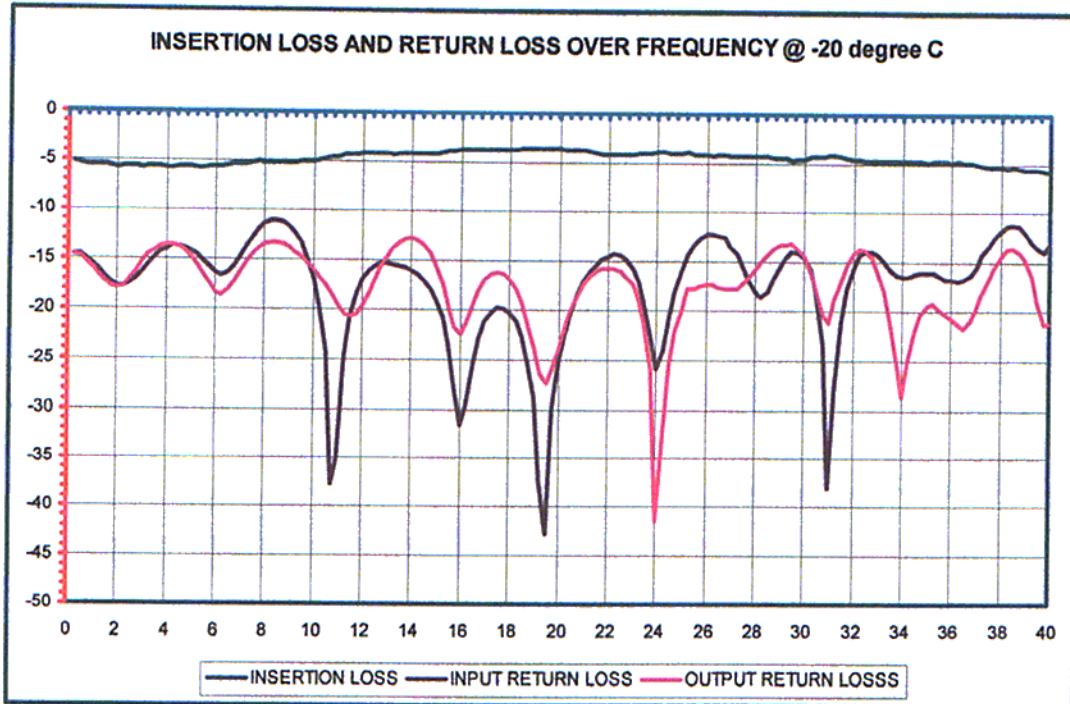


**INSERTION LOSS AND RETURN LOSS OVER FREQUENCY  
AND TEMPERATURE AS MEASURED @ +70°C & +85°C**





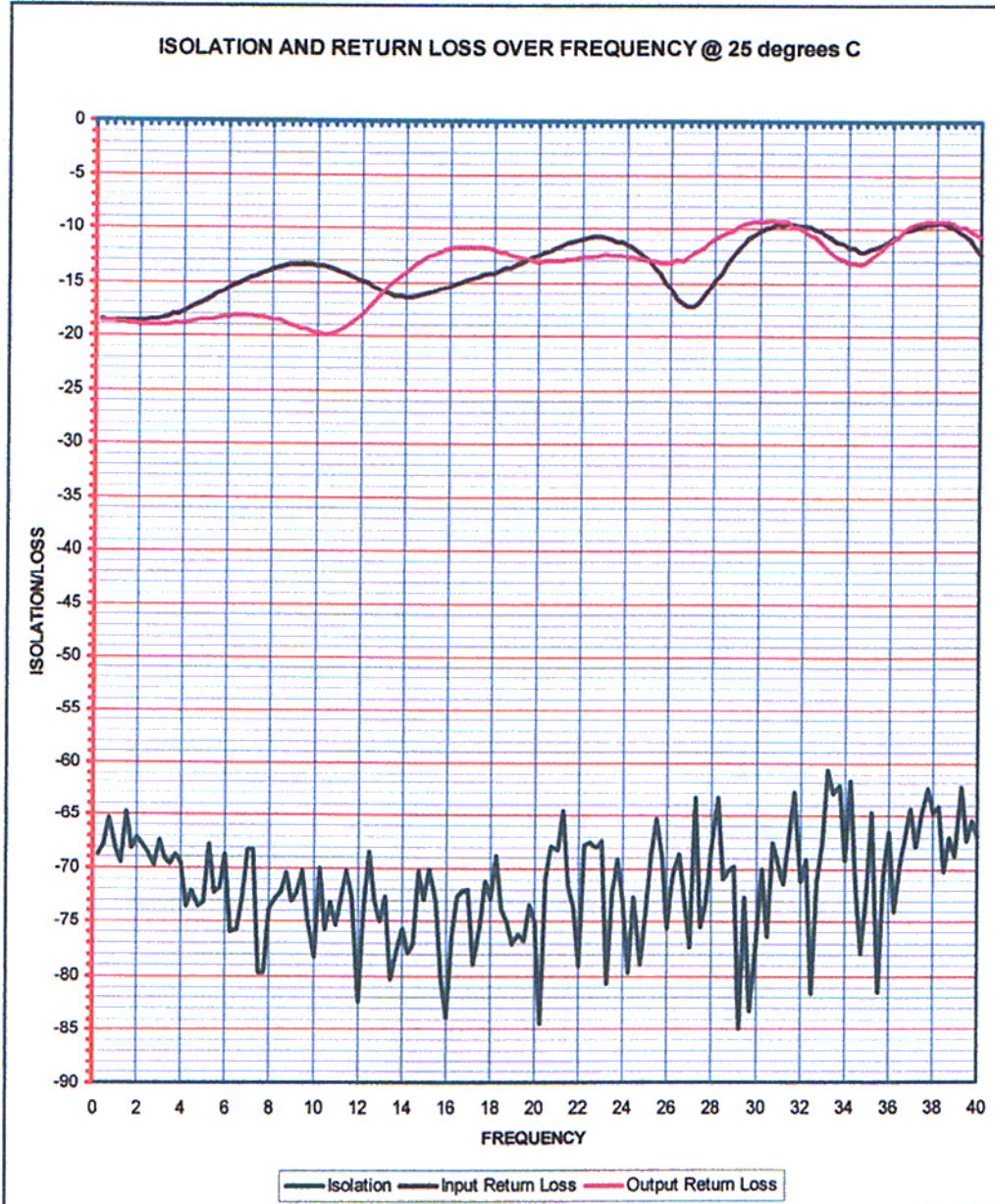
### INSERTION LOSS AND RETURN LOSS OVER FREQUENCY AND TEMPERATURE AS MEASURED @ -20°C & -40°C



**ISOLATION AND RETURN LOSS OVER FREQUENCY AND  
TEMPERATURE AS MEASURED AT:**

**-40°C, -20°C, 0°C, +25°C, +70°C AND +85°C**

**ISOLATION AND RETURN LOSS OVER FREQUENCY AND TEMPERATURE AS MEASURED @ +25°C**

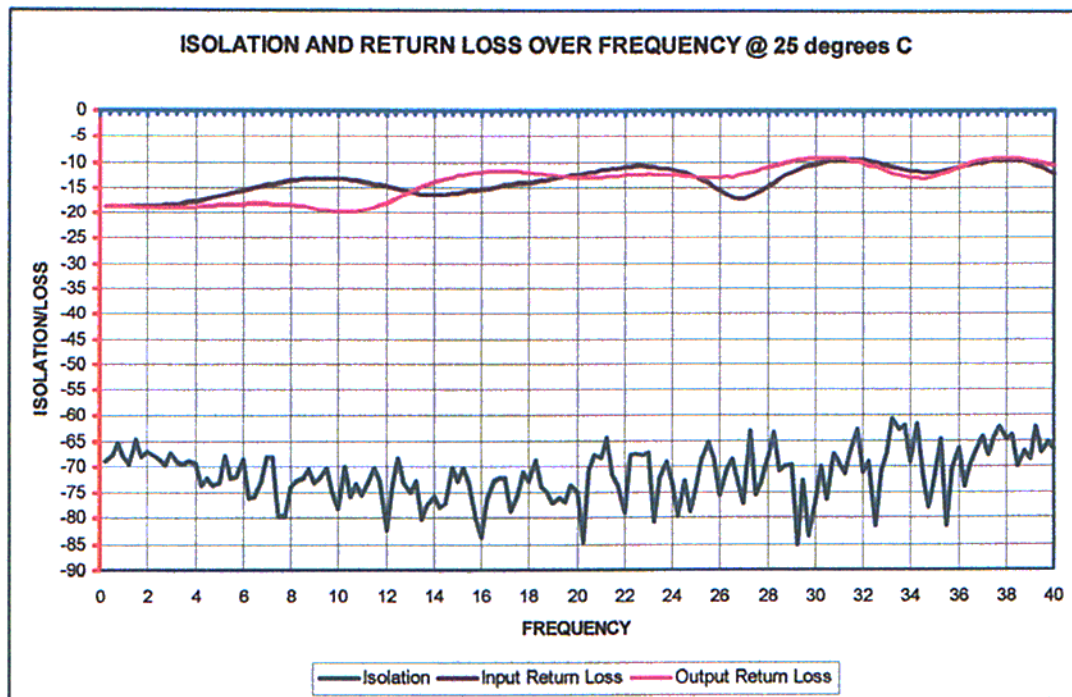
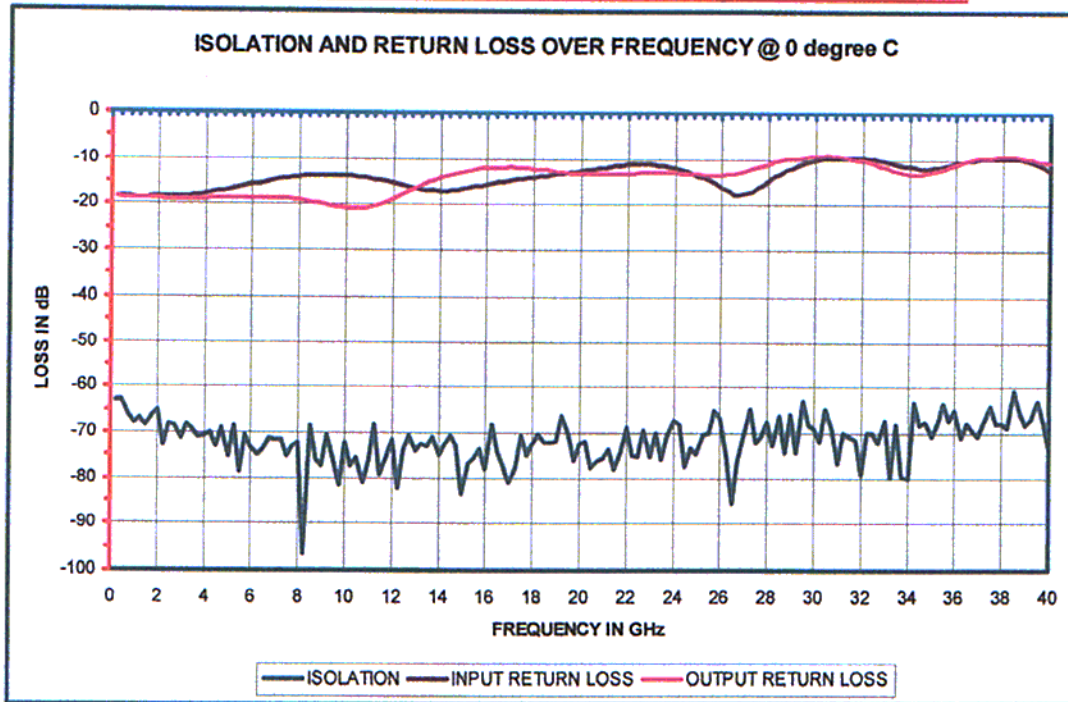


**Isolation Average : -71.55 Isolation Highest : -84.95 Isolation Lowest : -60.69**

**Input Return Loss Average : -13.61 Output Return Loss Average : -13.96**



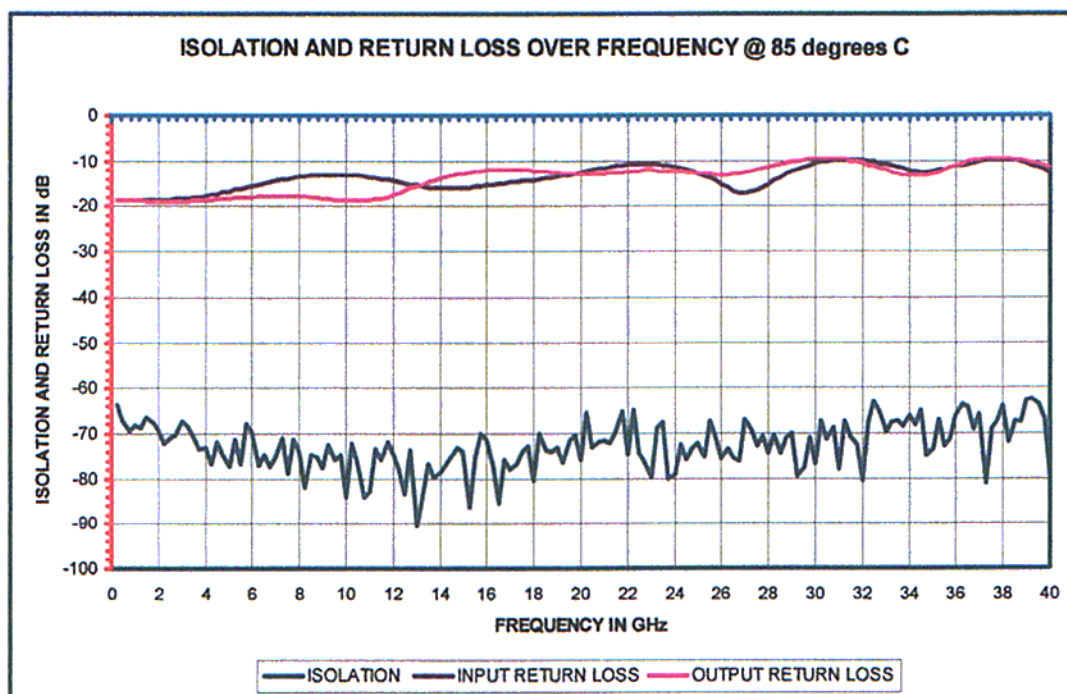
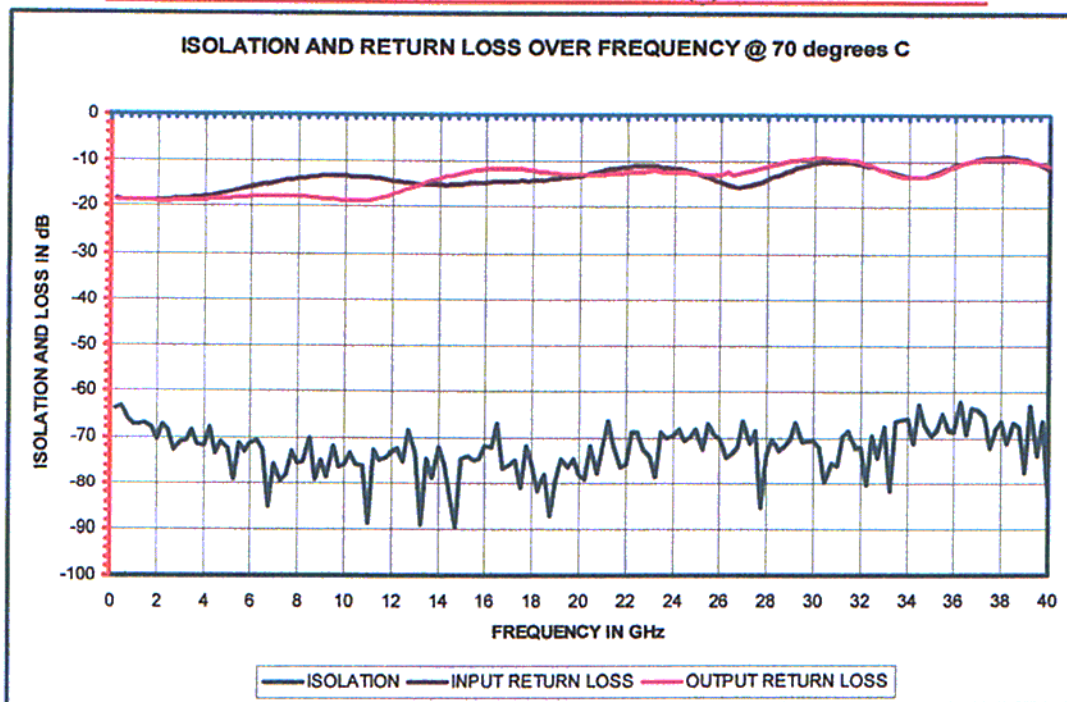
### ISOLATION AND RETURN LOSS OVER FREQUENCY AND TEMPERATURE AS MEASURED @ 0°C & +25°C







**ISOLATION AND RETURN LOSS OVER FREQUENCY AND TEMPERATURE AS MEASURED @ +70°C & +85°C**



AMERICAN MICROWAVE CORPORATION, 7311-G GROVE ROAD, FREDERICK, MD 21704 • USA •

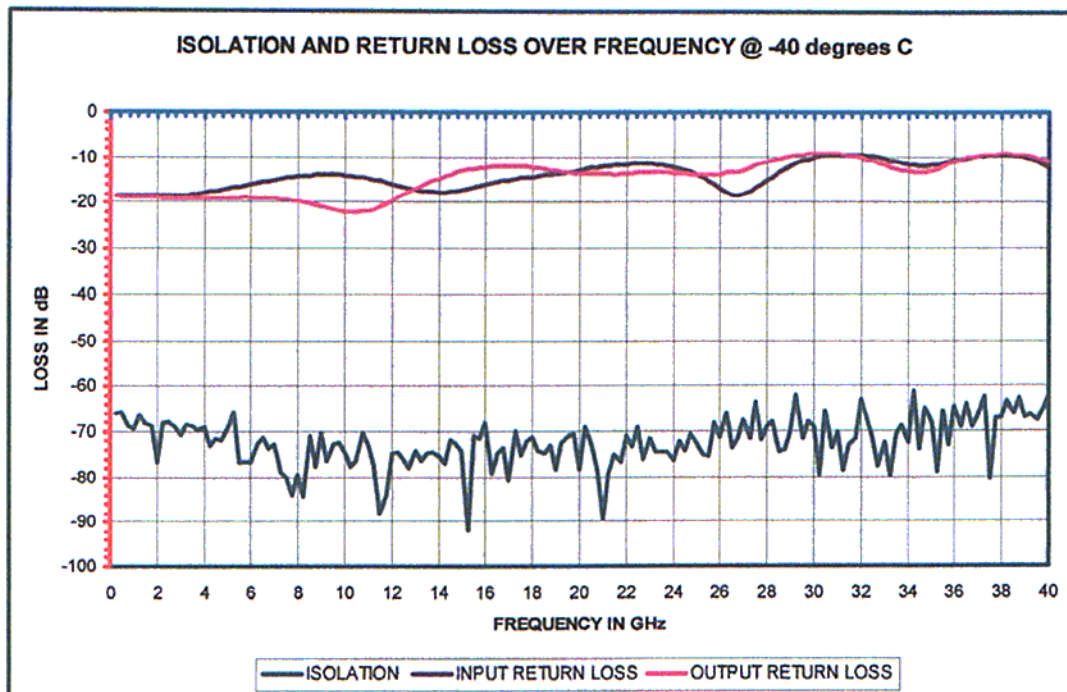
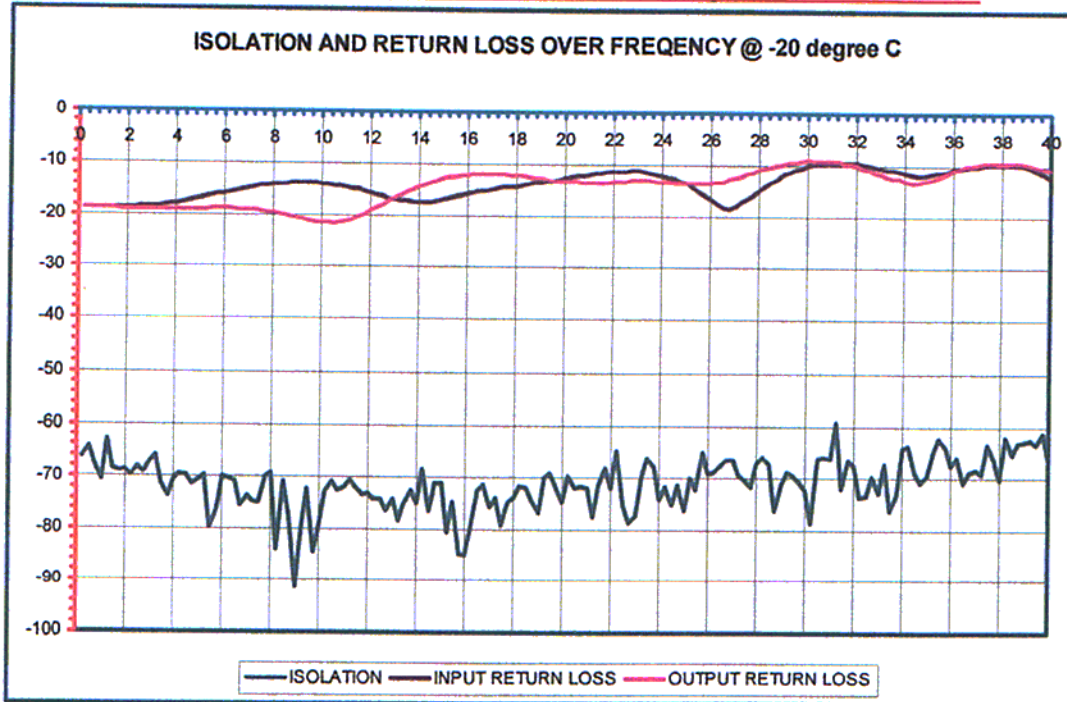
TEL: 301-662-4700 FAX: 301-662-4938

EMAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com) WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)

**ISO 9001 : 2000 CERTIFIED**



**ISOLATION AND RETURN LOSS OVER FREQUENCY AND TEMPERATURE AS MEASURED @ -20°C & -40°C**



**“ON” & “OFF” SWITCHING SPEEDS AS MEASURED OVER  
TEMPERATURE AT:**

**-40°C, -20°C, 0°C, +25°C, +70°C AND +85°C**

**“ON” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ +25°C**

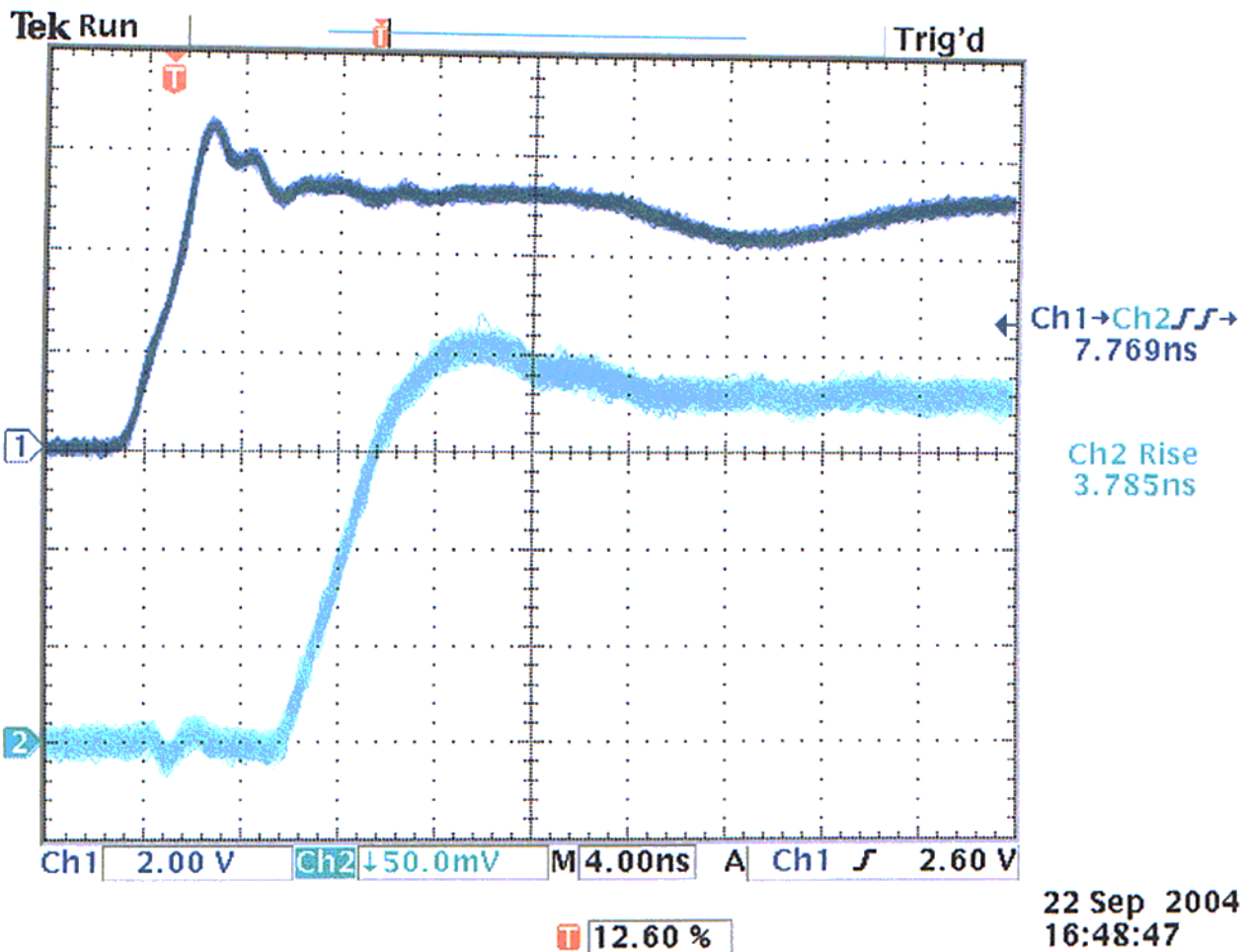
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 25 deg C

TURN ON





**“OFF” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ +25°C**

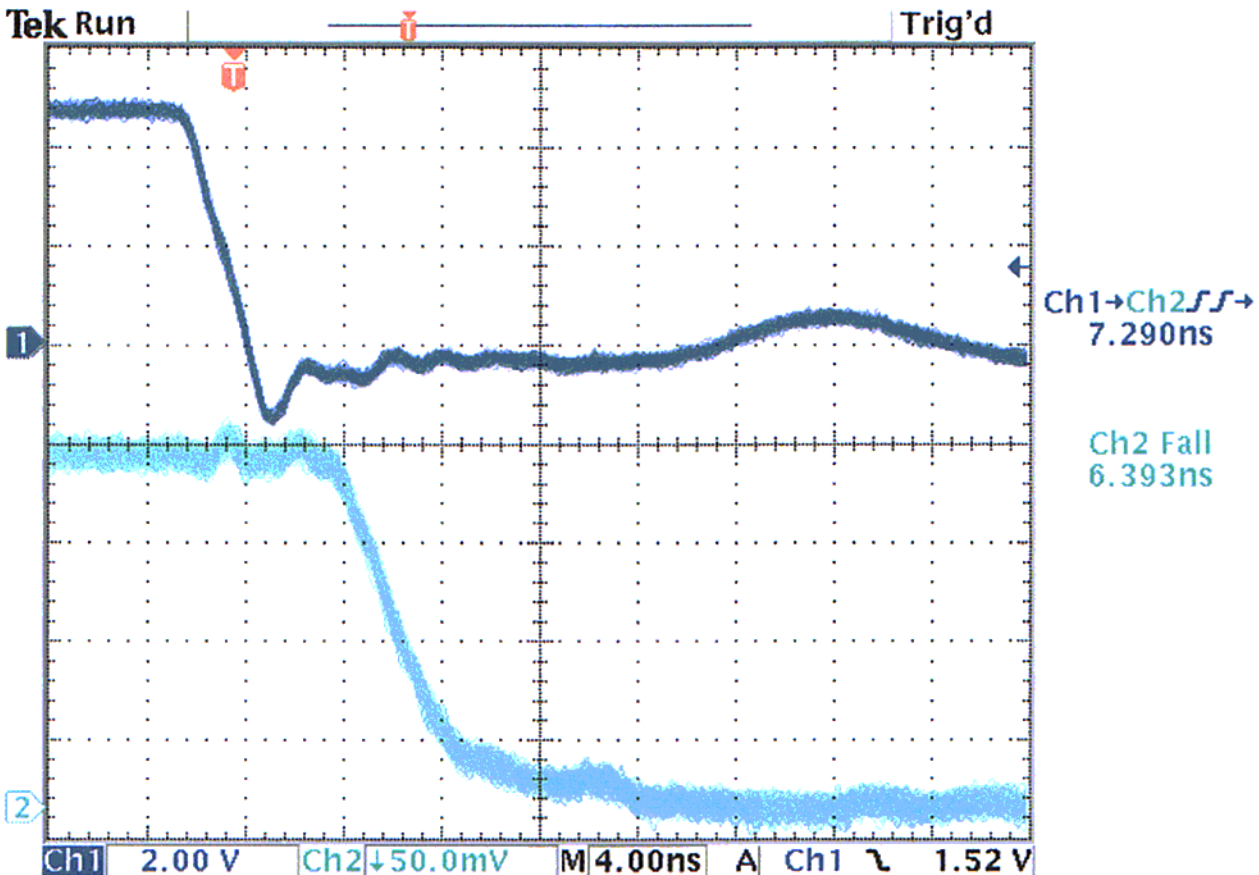
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 25 deg C

TURN OFF



18.80 %

22 Sep 2004  
16:49:48

**“ON” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ 0°C**

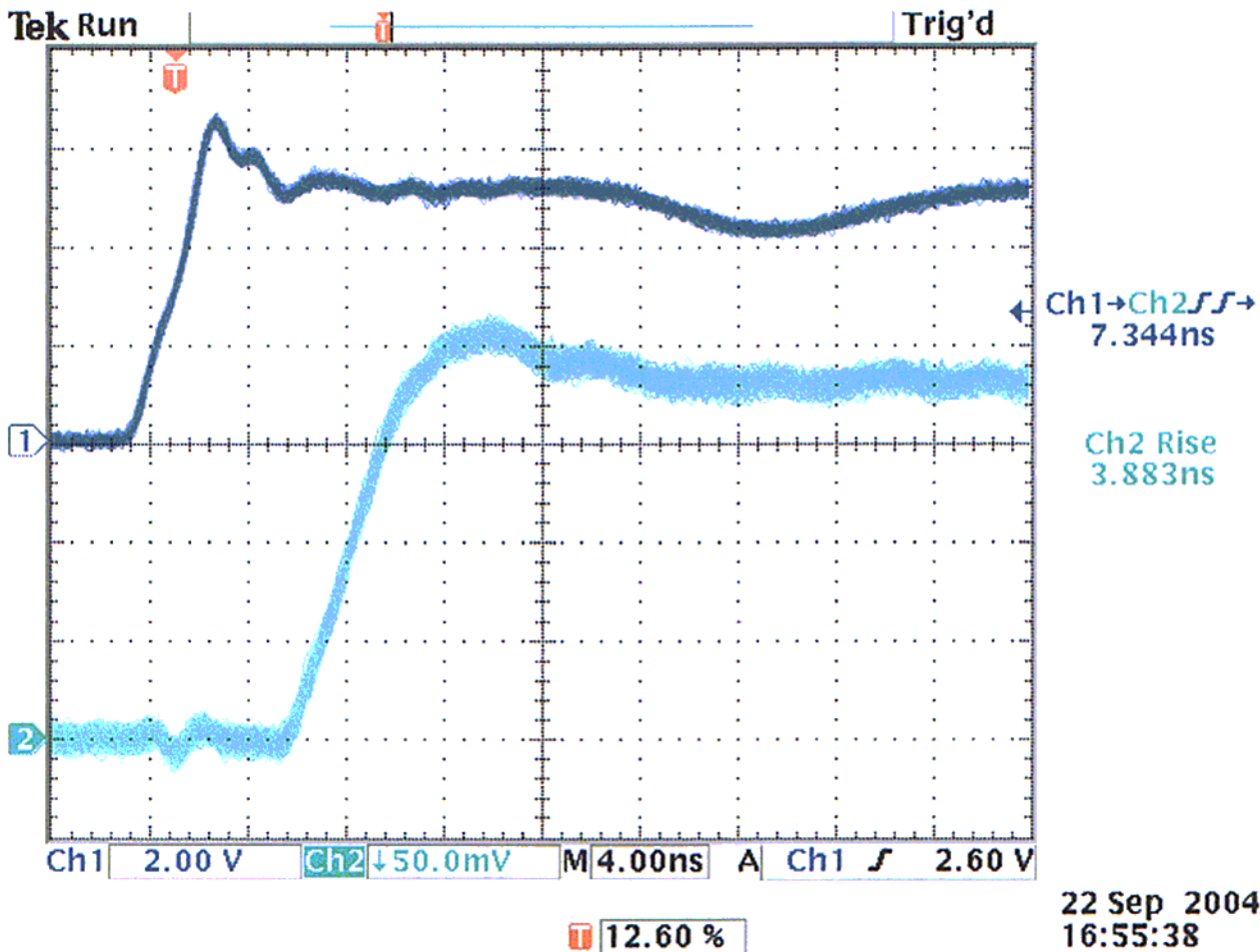
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 0 deg C

TURN ON



**“OFF” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ 0°C**

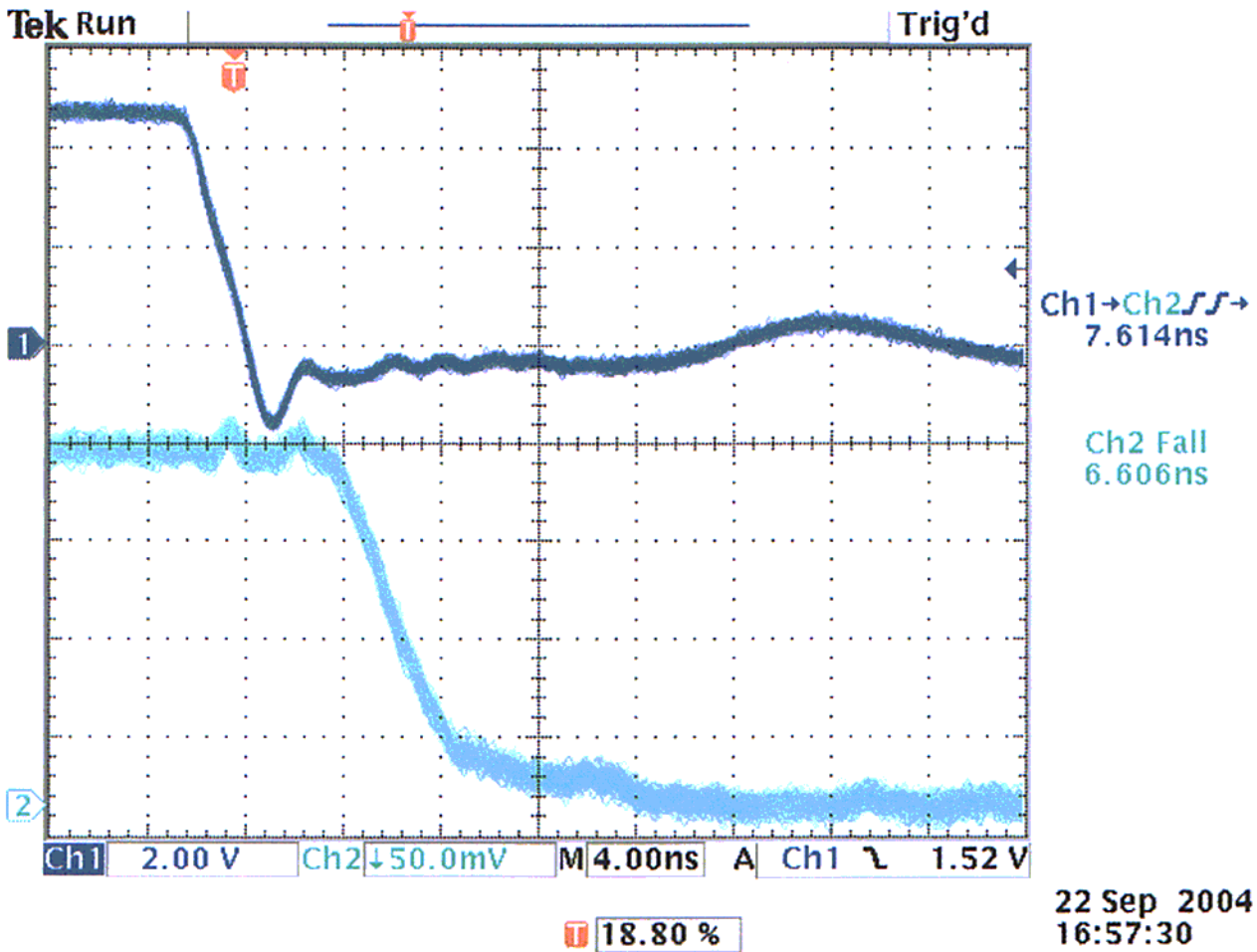
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 0 deg C

TURN OFF





**“ON” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ -20°C**

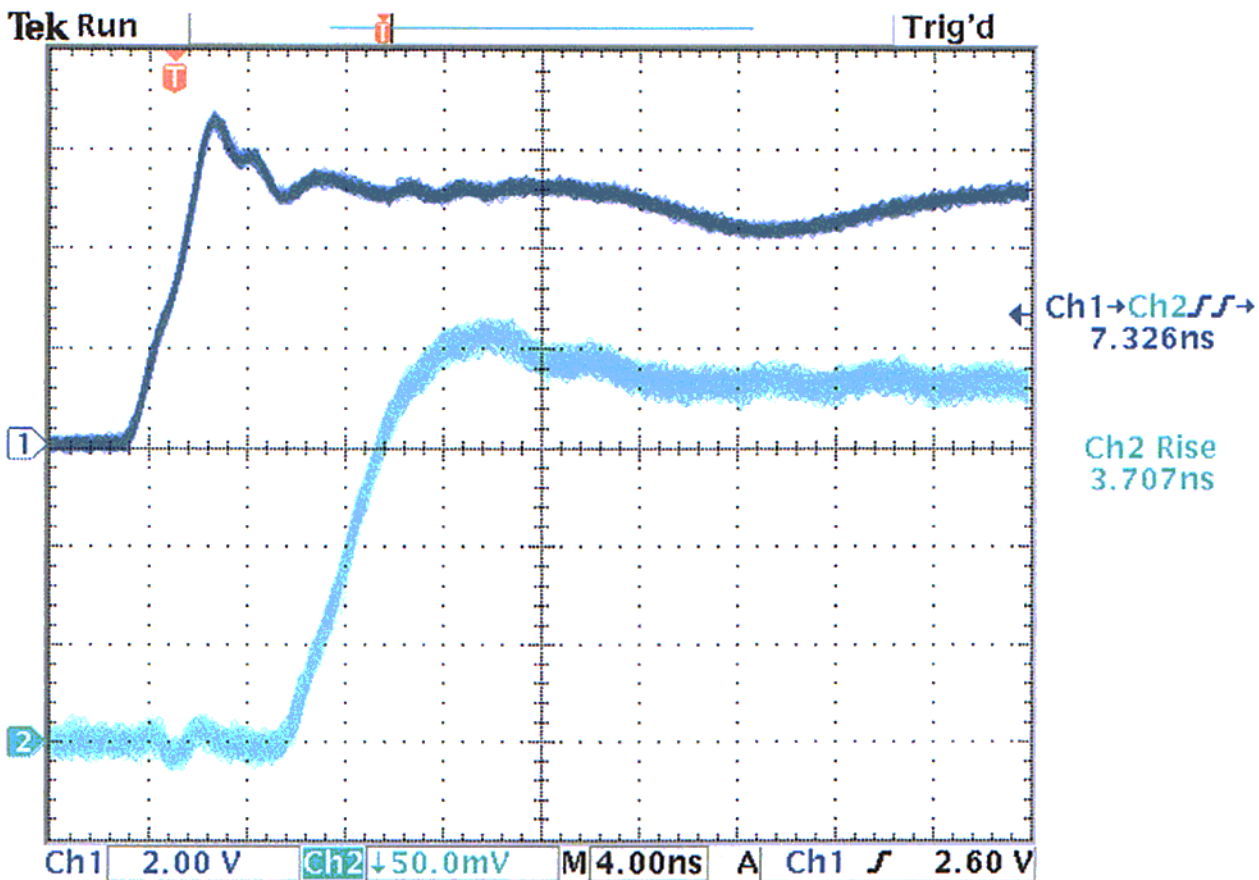
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at -20 deg C

TURN ON



12.60 %

22 Sep 2004  
17:02:26



## "OFF" SWITCHING SPEED OVER TEMPERATURE AS MEASURED @ -20°C

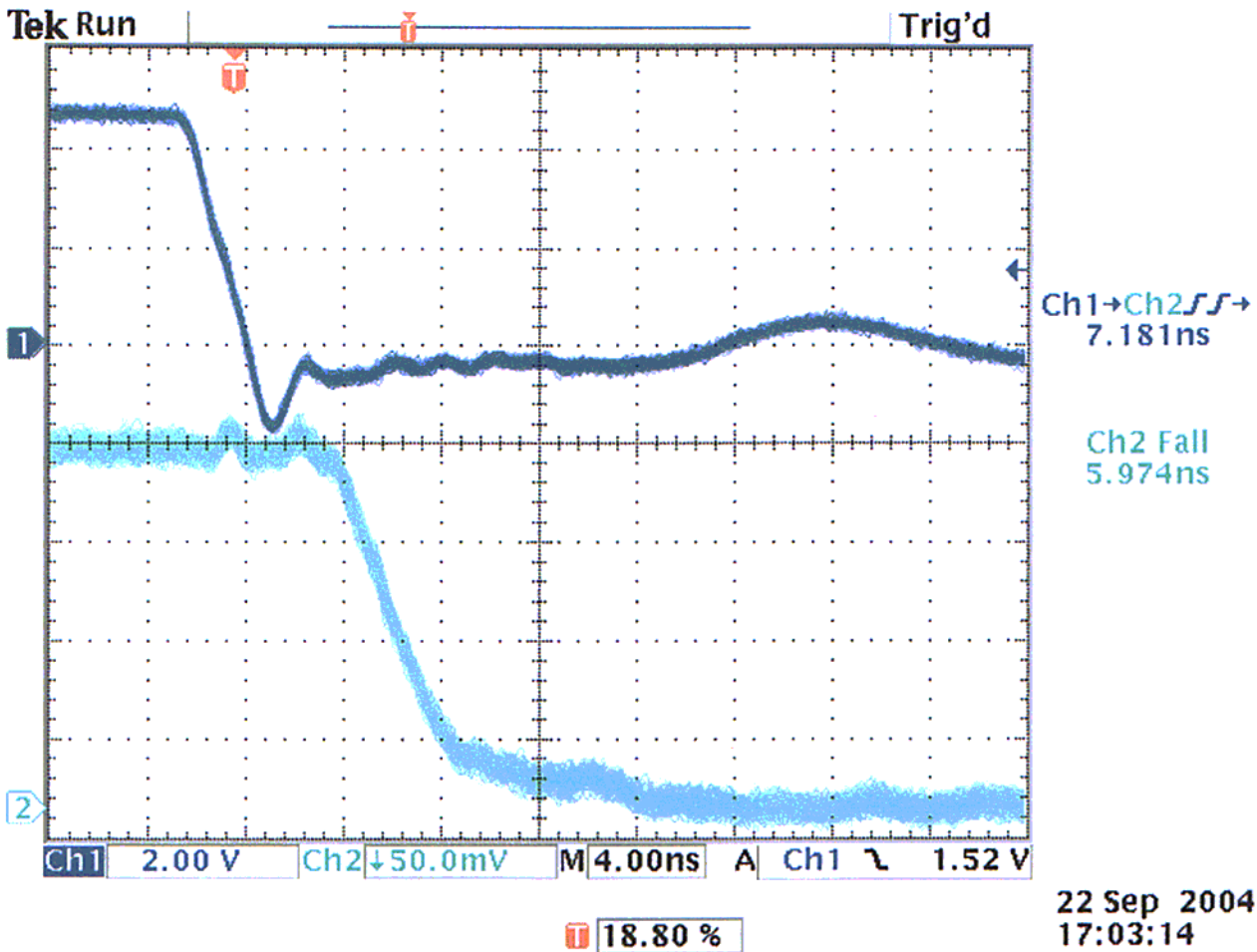
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at -20 deg C

TURN OFF



**“ON” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ -40°C**

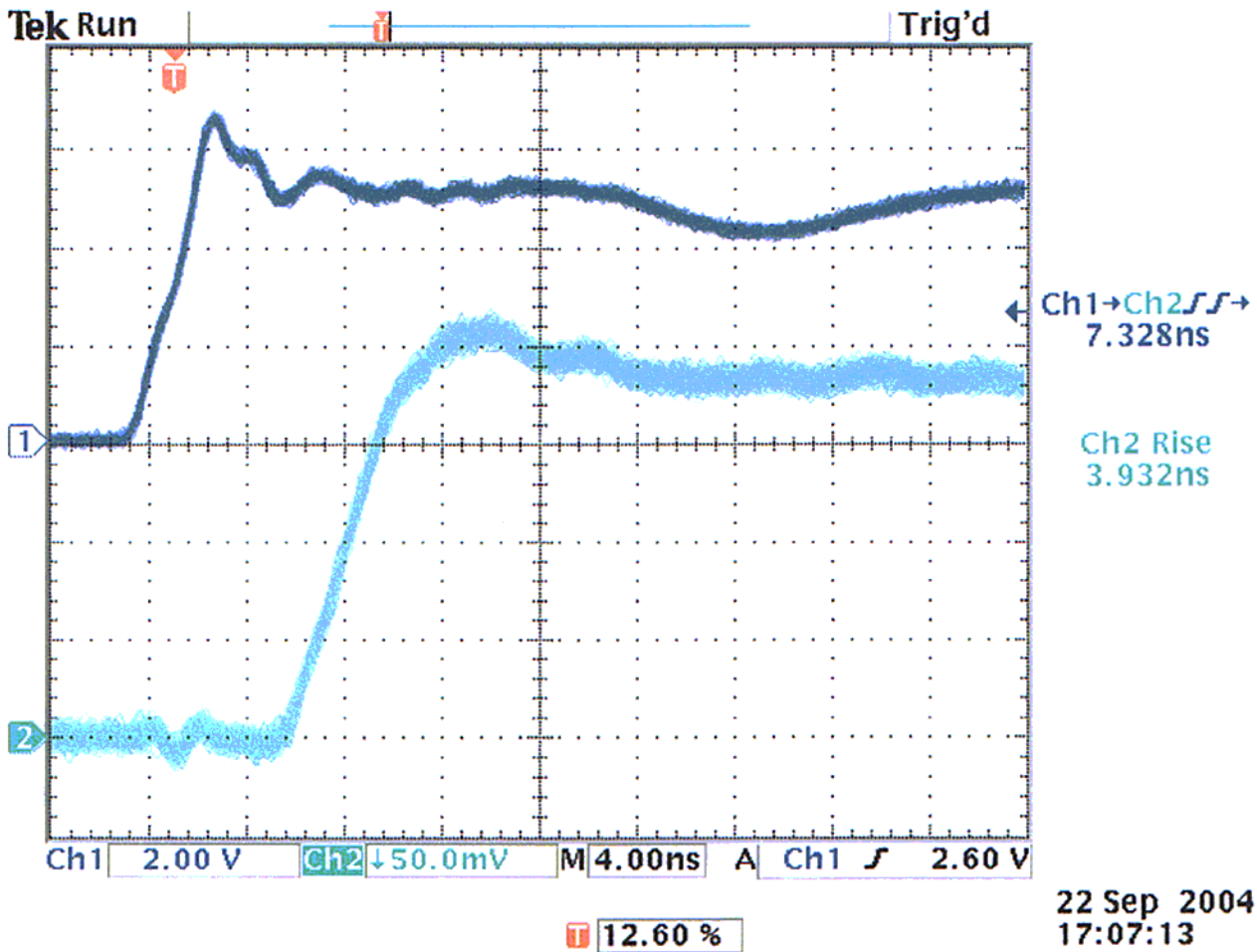
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at -40 deg C

TURN ON



**“OFF” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ -40°C**

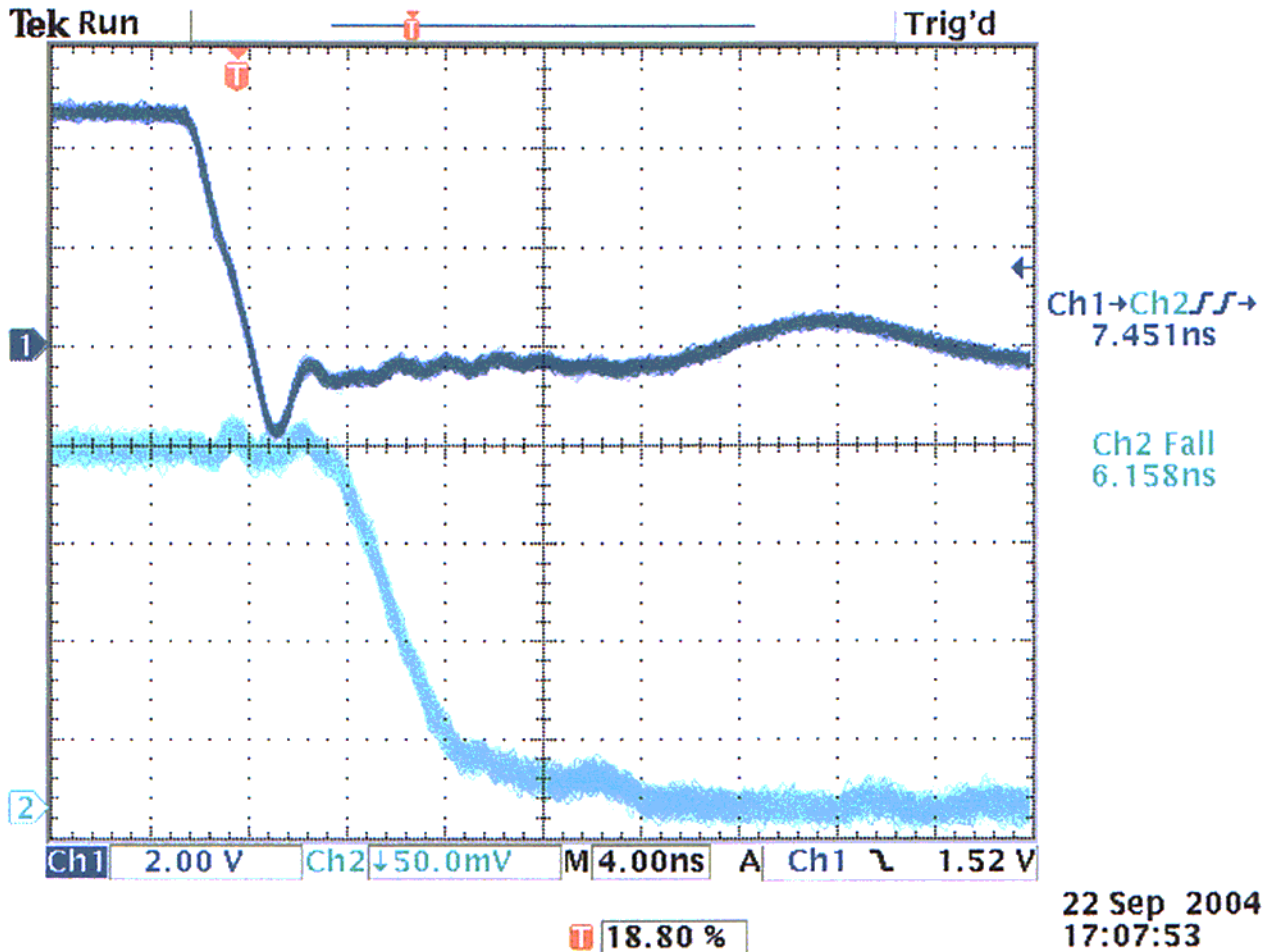
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at -40 deg C

TURN OFF



**“ON” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ +70°C**

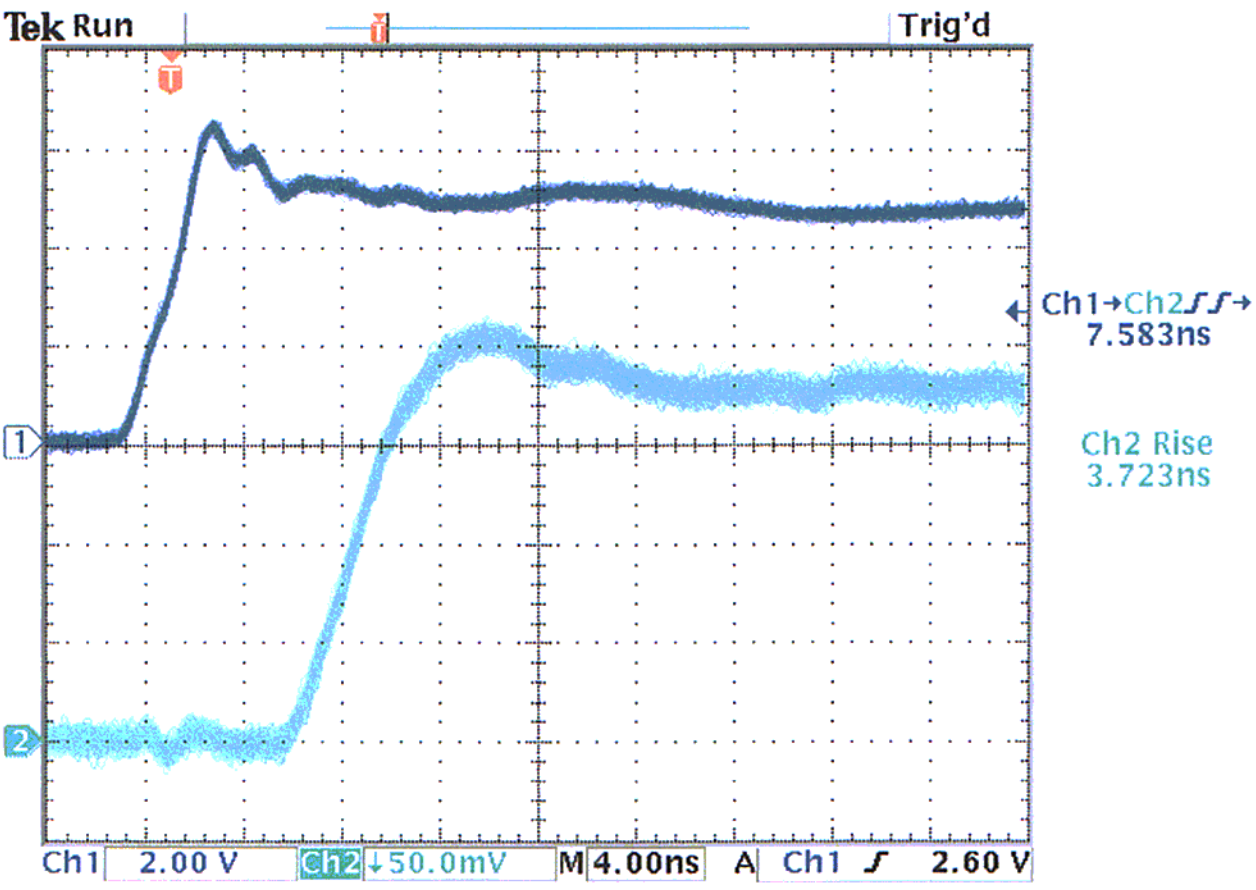
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 70 deg C

TURN ON



22 Sep 2004  
17:17:44



## “OFF” SWITCHING SPEED OVER TEMPERATURE AS MEASURED

@ +70°C

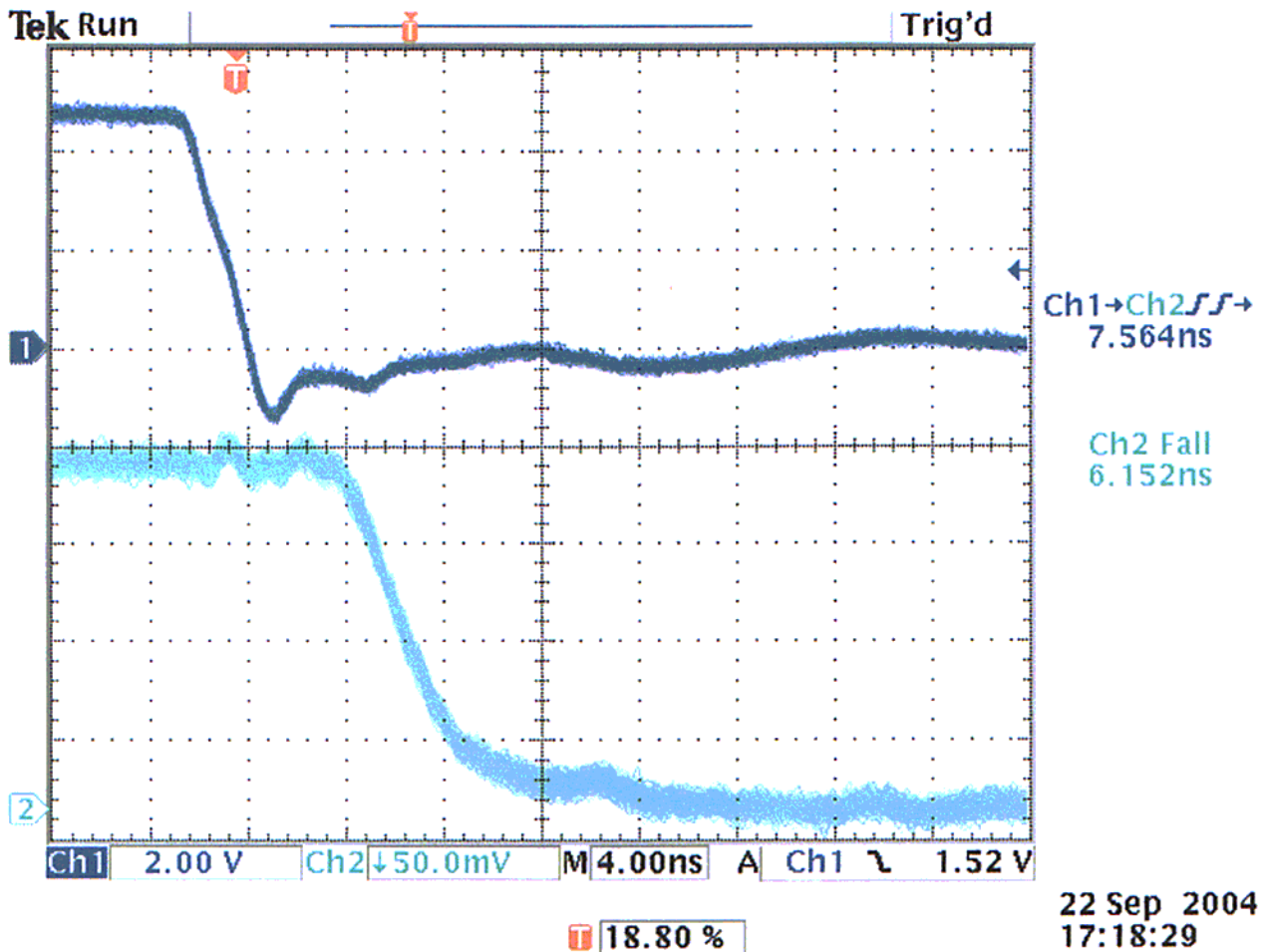
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 70 deg C

TURN OFF



**“ON” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ +85°C**

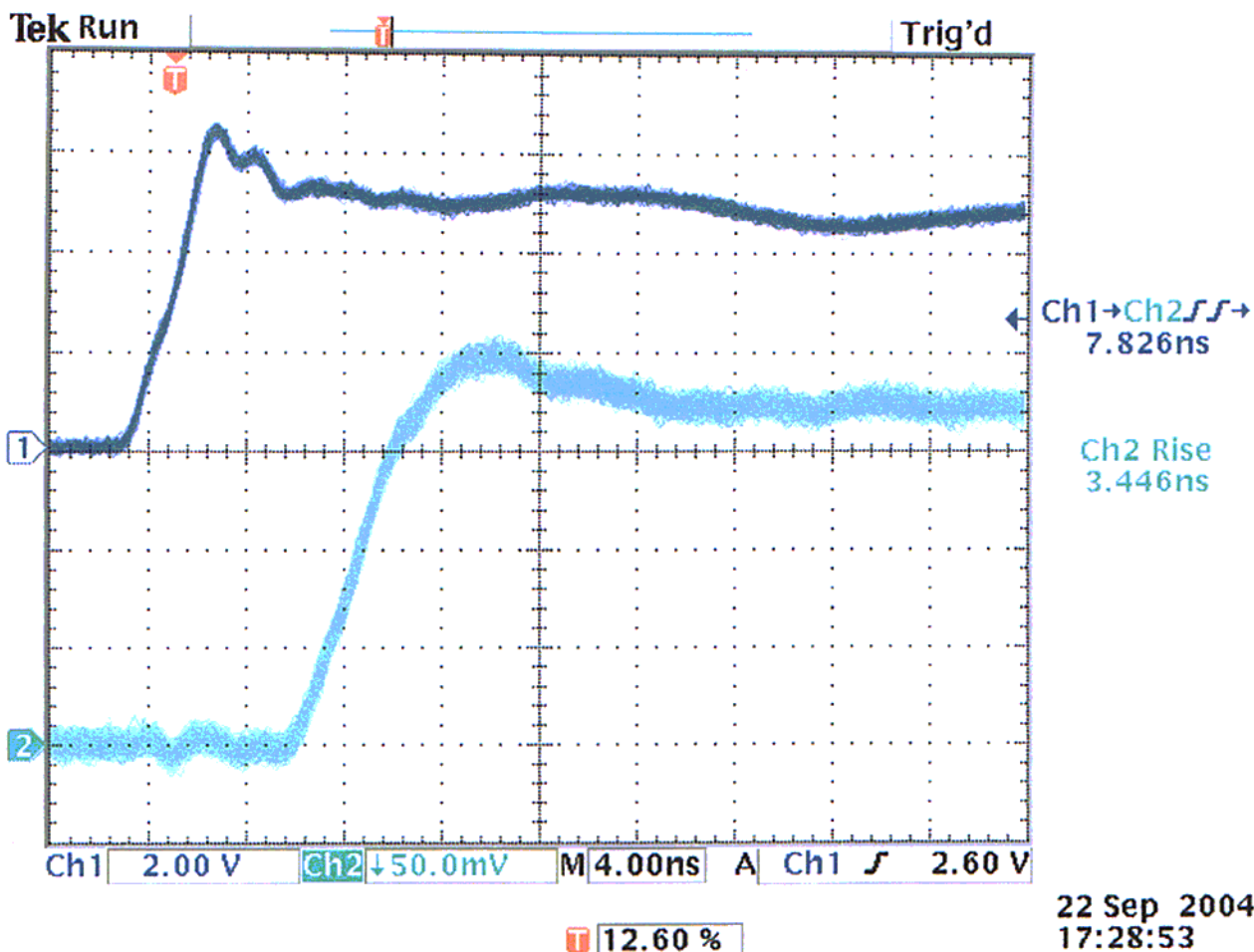
Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 85 deg C

TURN ON





**“OFF” SWITCHING SPEED OVER TEMPERATURE AS MEASURED**  
**@ +85°C**

Swch1-DC40-SK P5 DC to 40 GHz SPST SWITCH

Channel 1 ( Blue Trace ) : TTL Control signal Input  
Channel 2 ( Cyan Trace ) : Tunnel Detector into 100 ohm

Frequency = 4 GHz

Mounted on Thermal Platform at 85 deg C

TURN OFF

