

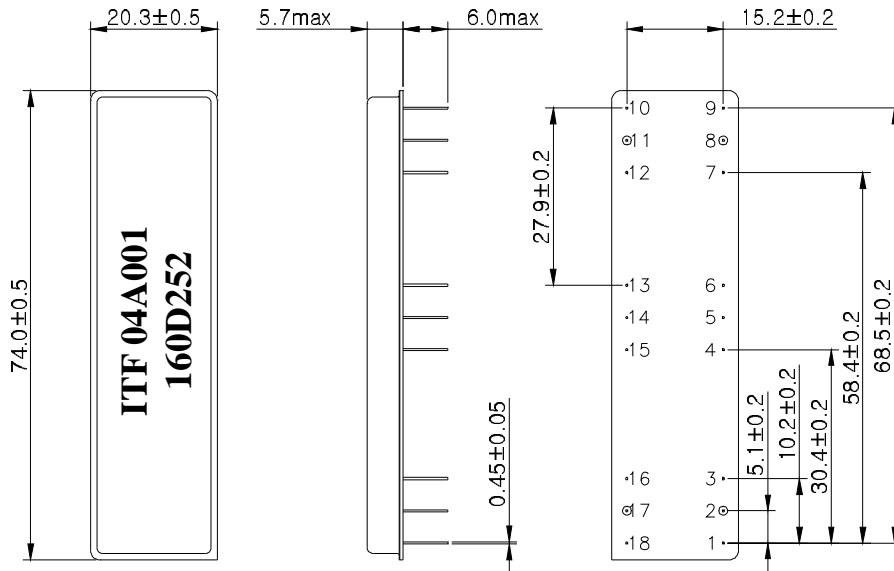
SAW Delay-Line 160D252



1. Features

- SAW Delay-Line
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40°C ~ 85°C
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : D7420

Dimensions shown are nominal in millimeters
 Base : Fe(SPCC), Au plating over Ni plated
 Cap : Cu & Cr Alloy, Ni Plated
 Termination : Kovar, Au Plated

Pin Configuration	
17	Input
8	Output
2, 11	Ground
Others	Case ground

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	160D252	
		Rev. Date	2004-05-27	
		Rev.	ND4001-CS01	1/5

SAW Delay-Line 160D252



3. Specifications

Fo = 160.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	160.0	-
Insertion Loss	dB	-	29.0	34.0
3dB Bandwidth	MHz	26.0	28.3	-
30dB Bandwidth	MHz	-	33.0	-
Amplitude Ripple (Fo +/- 12.5 MHz)	dB	-	1.0	2.0
Group Delay Variation (Fo +/- 12.5 MHz)	nsec	-	50	100
Absolute Delay	usec	10.0	10.8	-
Ultimate Rejection	dB	-	50	-

Notes :

- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	160D252	
		Rev. Date	2004-05-27	
		Rev.	ND4001-CS01	2/5

SAW Delay-Line 160D252



4. Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)



5. Marking Configuration

ITF¹⁾ 04A001²⁾
160D252³⁾

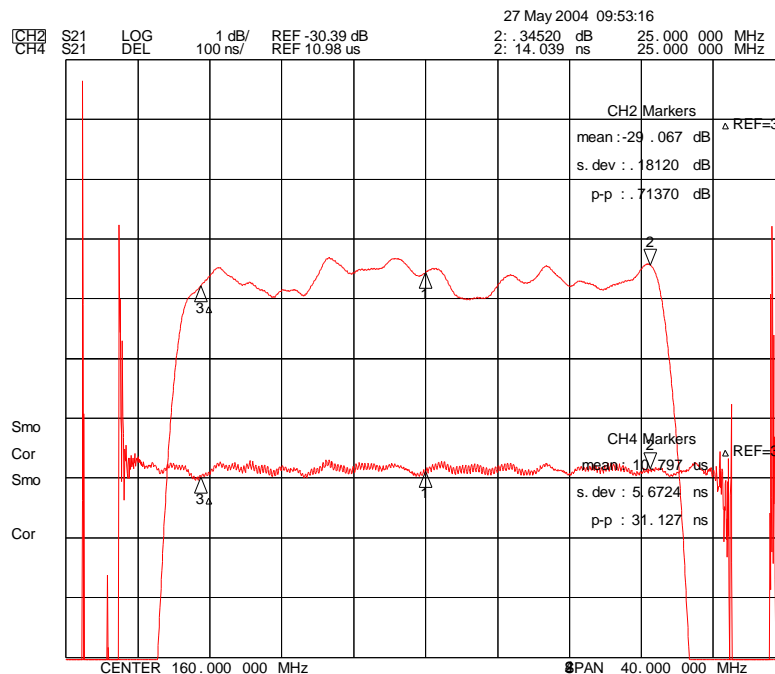
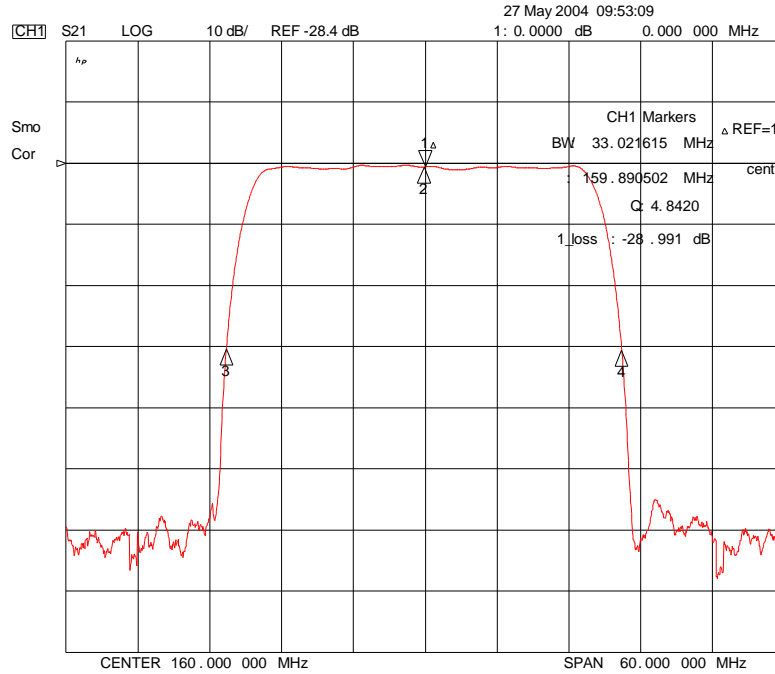
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	160D252	
		Rev. Date	2004-05-27	
		Rev.	ND4001-CS01	3/5

SAW Delay-Line 160D252

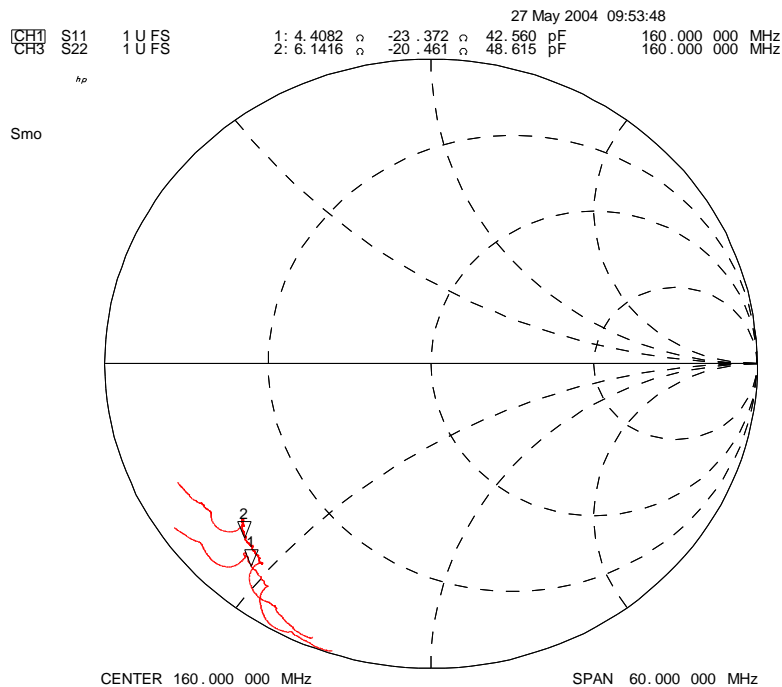
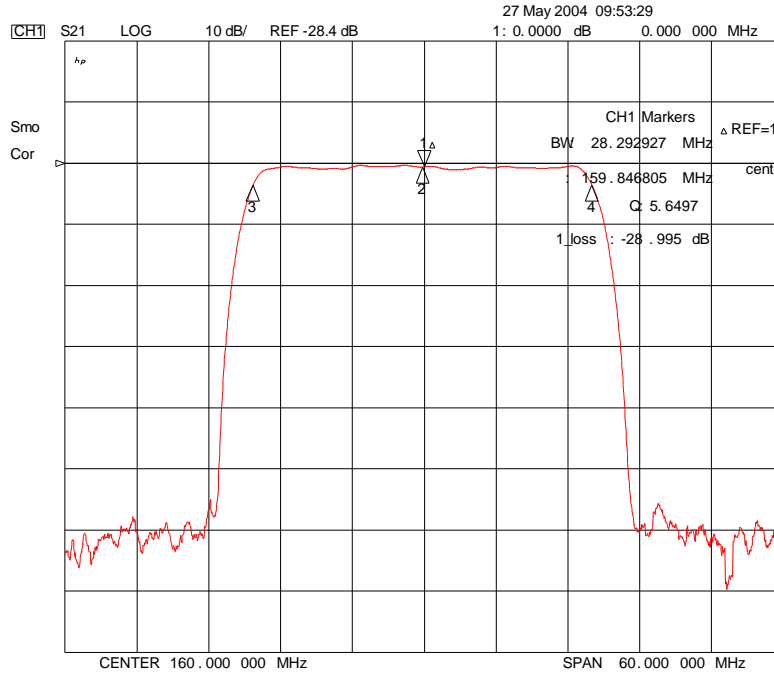


6. Typical Performance (at +25°C)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	160D252	
		Rev. Date	2004-05-27	
		Rev.	ND4001-CS01	4/5

SAW Delay-Line 160D252



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	160D252	
		Rev. Date	2004-05-27	
		Rev.	ND4001-CS01	5/5