

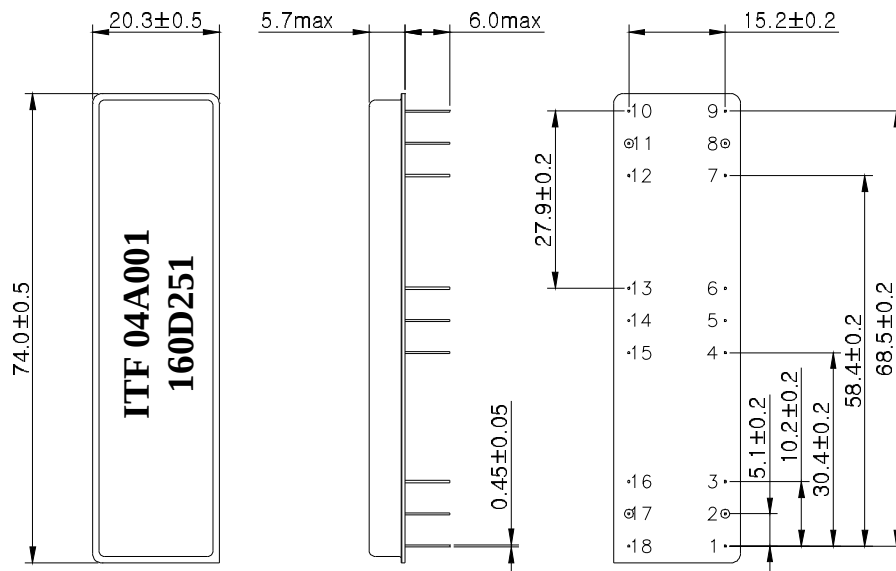
SAW Delay-Line 160D251



1. Features

- SAW Delay-Line
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- 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.	160D251	
		Rev. Date	2004-05-27	
		Rev.	ND3001-CS01	1/5

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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	-	31.0	35.0
3dB Bandwidth	MHz	25.0	27.9	-
30dB Bandwidth	MHz	-	32.9	-
Amplitude Ripple (Fo +/- 12.5 MHz)	dB	-	1.5	2.0
Group Delay Variation (Fo +/- 12.5 MHz)	nsec	-	50	100
Absolute Delay	usec	19.0	19.1	-
Ultimate Rejection	dB	-	40	-

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

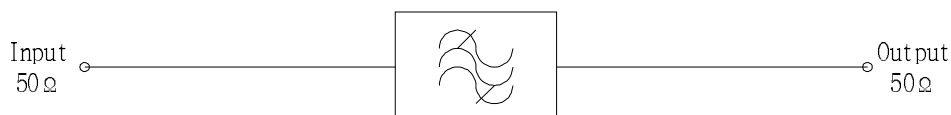
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4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾ 04A001²⁾
160D251³⁾

1) Manufacturer name

2) Lot Number

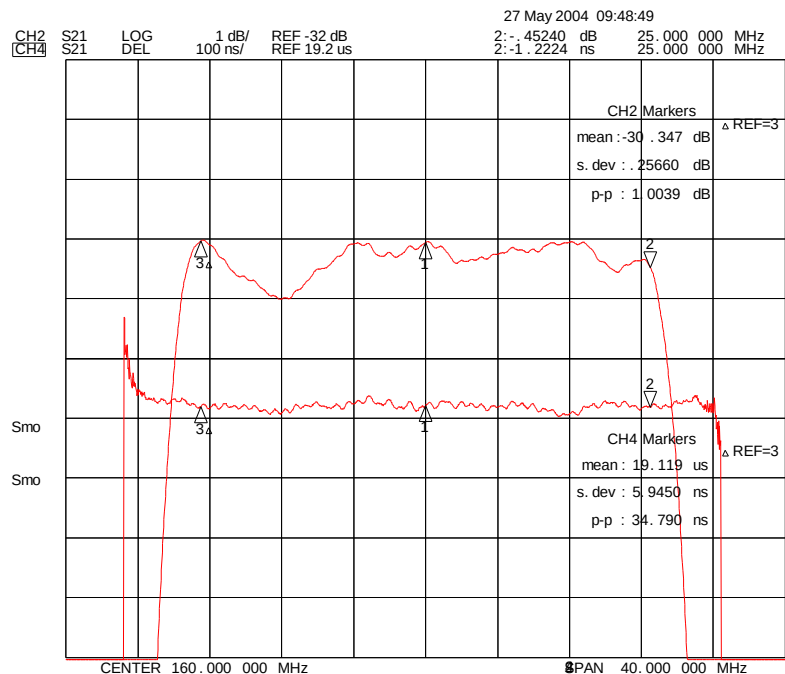
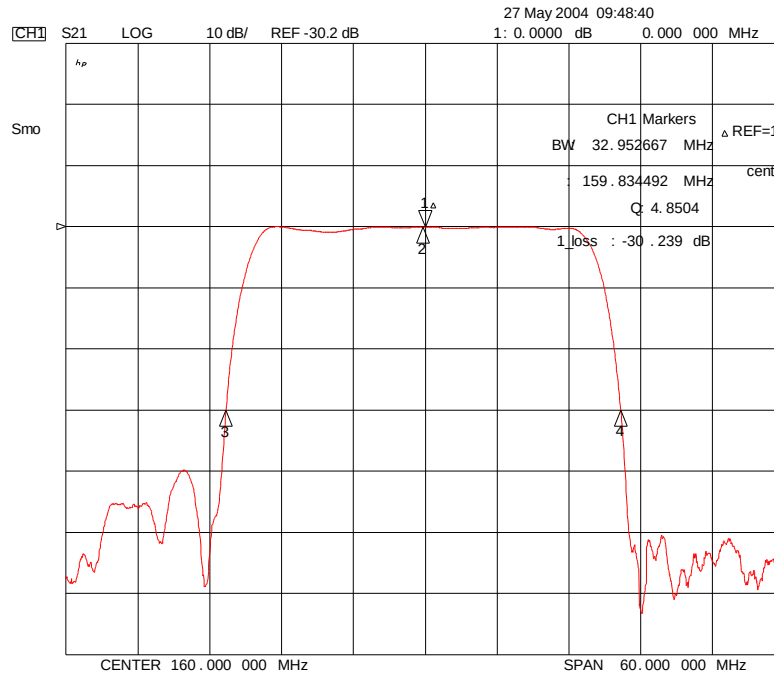
3) Part Number

The logo for ITF Co., Ltd., featuring the letters 'ITF' in a stylized, red, blocky font.	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	160D251	
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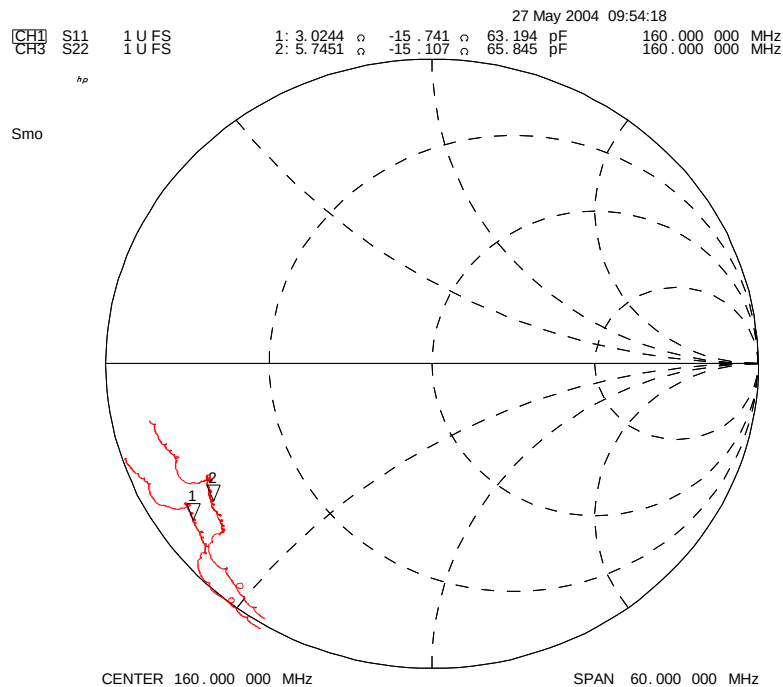
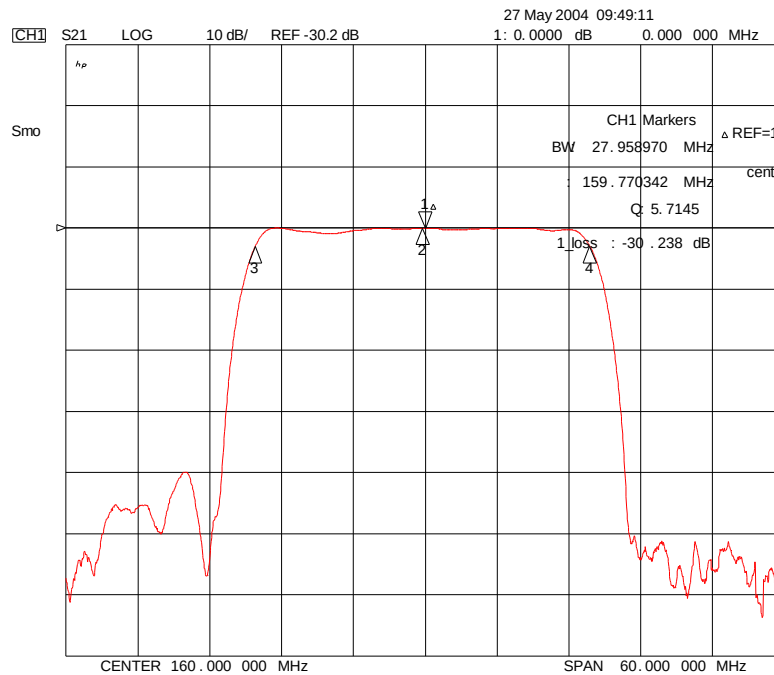


6. Typical Performance (at +25℃)



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