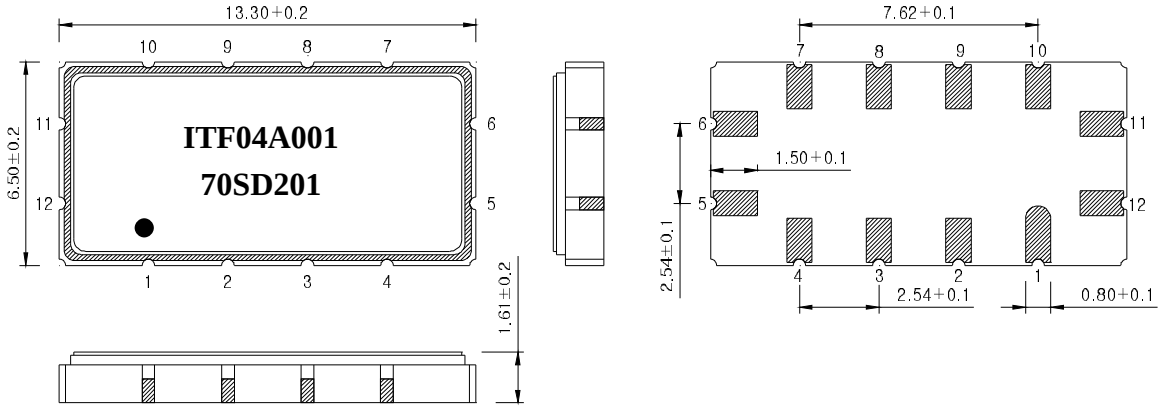
SAW Delay-Line 70SD201

1. Features

- Delay-Line
- Single-Ended Operation
- Ceramic Surface Mount Device (SMD) Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimensions



Package : S1365

Pad Configuration	
11	Input
5	Output
6, 12	Ground
Other	Case ground

Dimensions shown are nominal in millimeters

Body : Al_2O_3 Ceramic
Lid : Kovar, Ni Plated
Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um Ni Plating

3. Specifications

Fo = 70.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

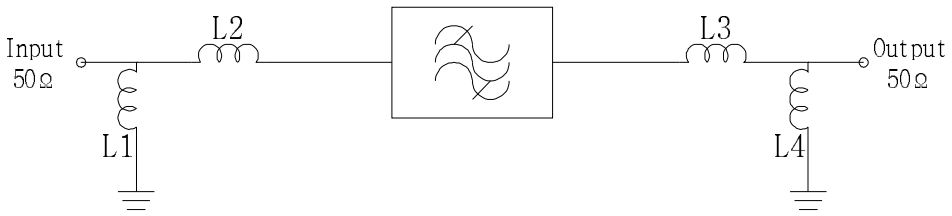
		Minimum	Typical	Maximum
Center Frequency	MHz	-	70.0	-
Insertion Loss	dB	-	14.0	17.0
1dB Bandwidth	MHz	22.0	23.4	-
40dB Bandwidth	MHz	-	32.7	40.0
Amplitude Ripple (Fo +/- 10.0 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 10.0 MHz)	nsec	-	30	80
Absolute Delay	usec	2.2	2.46	-
Temperature Coefficient of Frequency	ppm/°C	-	-94	-

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

4. Matching Schematic

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



L2 = 220 nH, L3 = 220 nH

L1 = 220 nH, L4 = 470 nH

5. Marking Configuration

ITF[1] 04A001[2]

70SD201[3]

● [4]

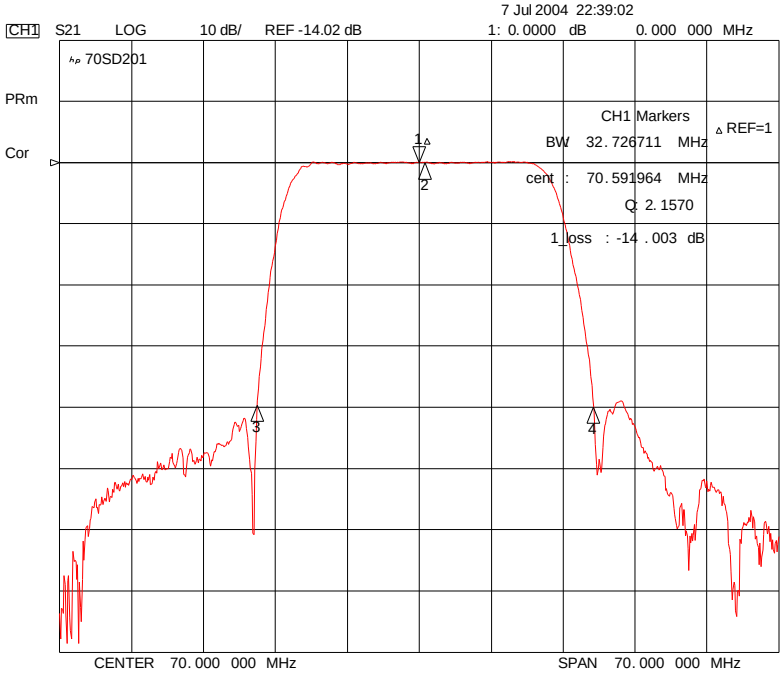
1) Manufacturer name

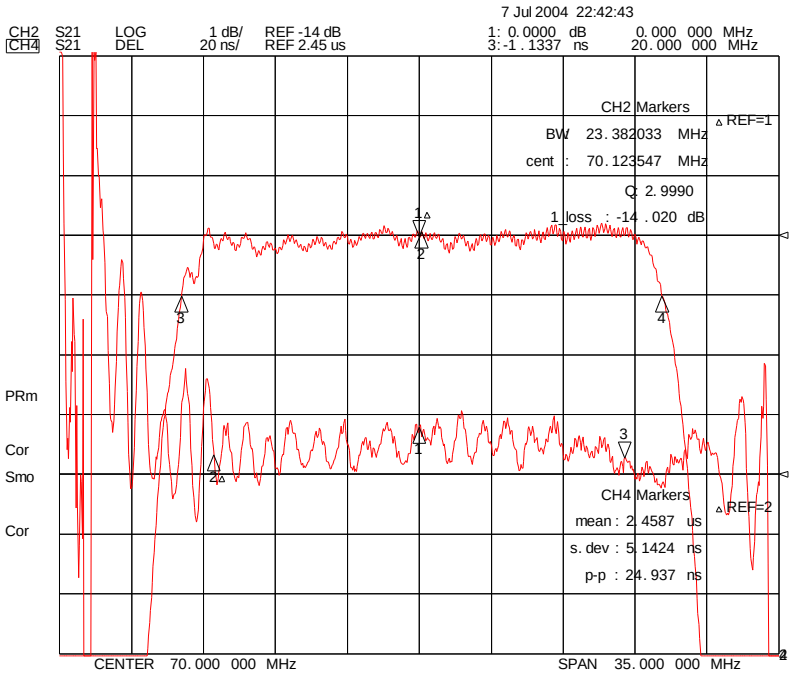
2) Lot Number

3) Part Number

4) Pad Number 1 Index

6. Typical Performance (at +25℃)





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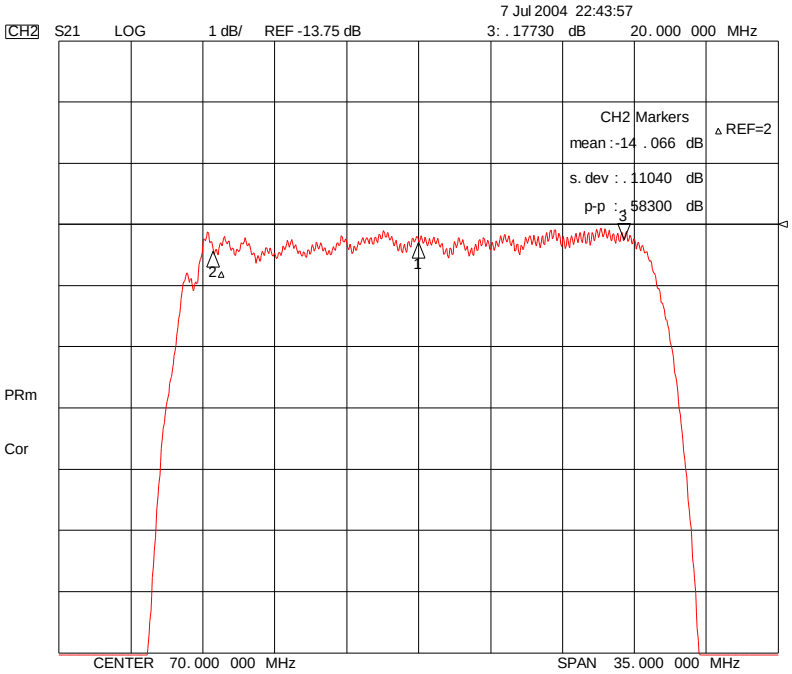

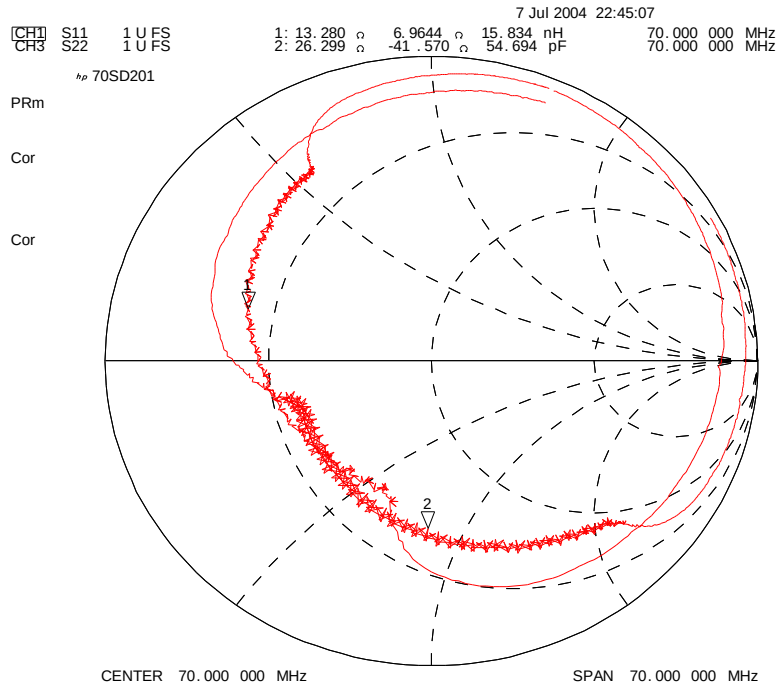

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		Rev. Date	2004-07-08	
		Rev.	ND2002-CS02	5/5