

1. Features

- Typical 1dB bandwidth of 29.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

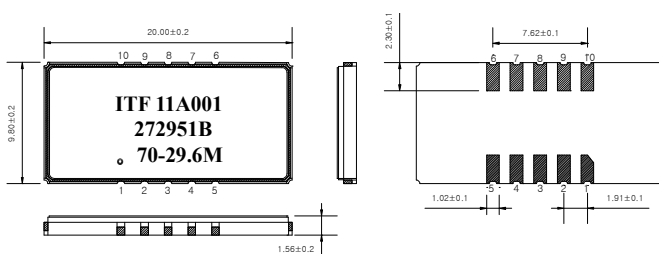
2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : -5°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	28.0	30.0
1dB Bandwidth	MHz	29.5	29.64	-
3dB Bandwidth	MHz	-	29.9	-
40dB Bandwidth	MHz	-	31.1	31.3
50dB Bandwidth	MHz	-	31.3	-
Amplitude Ripple (fo ± 14.32 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 14.32 MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.38	-
Ultimate Rejection	dB	45	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	28.5	30.0
Amplitude Ripple (fo +/- 14.56 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo +/- 14.56 MHz)	nsec	-	30	60

S2098 Package Dimension



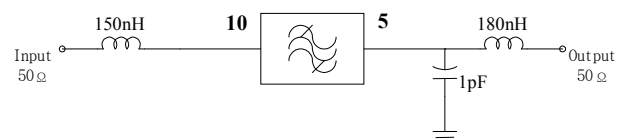
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Matching Schematic



Pin Configuration

	10	5	1,4
Input			
Output			

3. Typical Performance (at +25°C)

