

1. Features

- 15MHz BW IF Dual Bandpass Filter
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

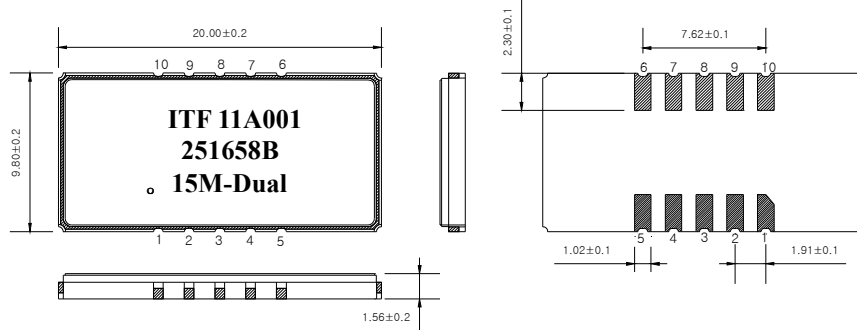
2-1. F₁ Electrical Specification

Room Temperature : +25 °C		Minimum	Typical	Maximum
Center Frequency (F ₁)	MHz	-	116.5	-
Insertion Loss	dB	-	26.5	27.8
1dB Bandwidth	MHz	15.6	15.7	-
3dB Bandwidth	MHz	-	16.15	-
40dB Bandwidth			17.85	18.0
Amplitude Ripple (F ₁ +/- 7.6 MHz)	dB	-	0.7	1.2
Group Delay Variation (F ₁ +/- 7.6 MHz)	nsec			
Absolute Delay (F ₁ + F ₂)	usec	-	1.87	-
Ultimate Rejection	dB	45	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

2-2. F₂ Electrical Specification

Room Temperature : +25 °C		Minimum	Typical	Maximum
Center Frequency (F ₂)	MHz	-	161.5	-
Insertion Loss	dB	-	27.5	28.6
1dB Bandwidth	MHz	15.6	15.78	-
3dB Bandwidth	MHz	-	16.13	-
40dB Bandwidth			17.88	18.0
Amplitude Ripple (F ₂ +/- 7.6 MHz)	dB	-	0.9	1.4
Group Delay Variation (F ₂ +/- 7.6 MHz)	nsec			
Absolute Delay (F ₁ +F ₂)	usec	-	1.87	-
Ultimate Rejection	dB	45	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

S2098 Package Dimension



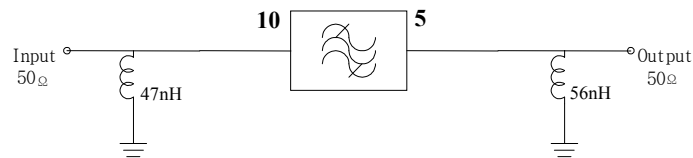
Dimensions shown are nominal in millimeters

Body : Al_2O_3

Lid : Kovar, Ni Plated

Termination : Au plating $0.3 \sim 1.0\mu\text{m}$, over a $1.27 \sim 8.89\mu\text{m}$ Ni Plating

Matching Network Configuration



Pin Configuration			
Input	10	Ground	1, 4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

