

# MULTI-LAYER DIELECTRIC FILTER



3.2 x 1.6 x 1.2mm

ADFC31 Series

\*RoHS COMPLIANT

## STANDARD SPECIFICATIONS:

ADFC31-1906.50 - A			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	1906.50	*+/-2.0
Bandwidth	MHz	+/-13.5	*+/-1.0
Insertion Loss	dB	≤2.7	*+/-0.5
Ripple	dB	≤1.0	≤0.5
V.S.W.R.	BW	≤2.0	*+/-0.2
Relative Attenuation			
440 ~ 1460 MHz	dB	≥40	*+/-2.0
1660 ~ 1680 MHz	dB	≥35	*+/-2.0
2130 ~ 2150 MHz	dB	≥15	*+/-2.0

\*Post Environmental Tolerance

ADFC31-2450.00 - B			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	2450.00	*+/-2.0
Bandwidth	MHz	+/-50.0	*+/-1.0
Insertion Loss	dB	≤1.5	*+/-0.5
Ripple	dB	≤1.0	*+/-0.5
V.S.W.R.	BW	≤2.0	*+/-0.2
Relative Attenuation			
902 ~ 928 MHz	dB	≥20	*+/-2.0
1500 ~ 1550 MHz	dB	≥35	*+/-2.0
2150 ~ 2200 MHz	dB	≥6	*+/-2.0
4800 ~ 5000 MHz	dB	≥20	*+/-2.0

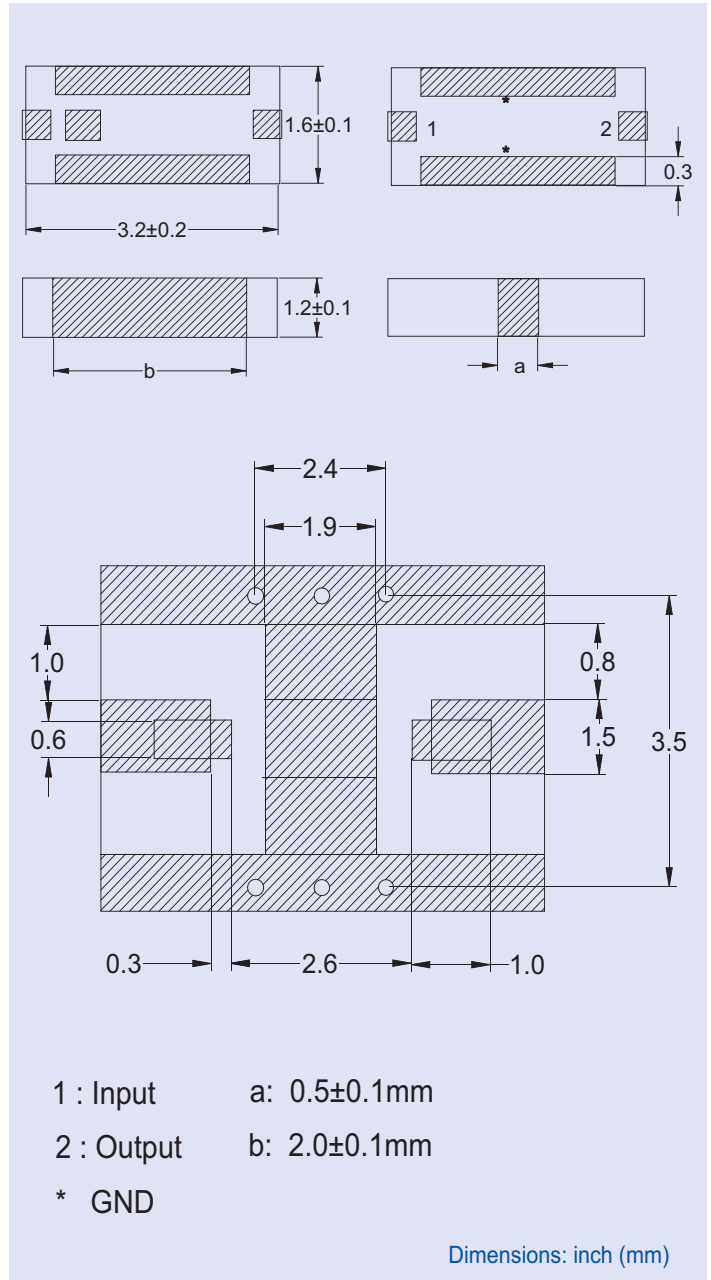
\*Post Environmental Tolerance

ADFC31-5800.00 - C			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	5800.00	*+/-5.0
Bandwidth	MHz	+/-50.0	*+/-1.0
Insertion Loss	dB	≤2.0	*+/-0.5
Ripple	dB	≤1.0	≤0.5
V.S.W.R.	BW	≤2.0	*+/-0.2
Relative Attenuation			
@ 2000 MHz	dB	≥35	*+/-2.0
@ 3000 MHz	dB	≥30	*+/-2.0
8500 ~ 9000 MHz	dB	≥28	*+/-2.0

\*Post Environmental Tolerance

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Impedance @ Input/Output	50Ω
Input Power	0.5W
Reliability (MTBF)	1x10 <sup>-6</sup> /pc.hr

## OUTLINE DRAWING:



## PACKAGING: -T= Tape and Reel (1,000pcs/reel)