

MULTI-LAYER DIELECTRIC FILTER

ADFC32 Series

*RoHS COMPLIANT



3.2 x 2.5 x 1.5mm

STANDARD SPECIFICATIONS:

ADFC32-205.50 - A			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	205.50	*+/-2.0
Bandwidth	MHz	+/-31.5	*+/-1.0
Insertion Loss	dB	≤1.5	*+/-0.5
Ripple	dB	≤1.0	≤0.5
V.S.W.R.	BW	≤2.2	*+/-0.2
Relative Attenuation			
@ 100 MHz	dB	≥10	*+/-2.0
@ 500 MHz	dB	≥20	*+/-2.0
1452 ~ 1492 MHz	dB	≥25	*+/-2.0

*Post Environmental Tolerance

ADFC32-1890.00 - B			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	1890.00	*+/-2.0
Bandwidth	MHz	+/-10.0	*+/-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			
@ 1665 MHz	dB	≥35	*+/-2.0
@ 2115 MHz	dB	≥15	*+/-2.0
@ 3810 MHz	dB	≥23	*+/-2.0

*Post Environmental Tolerance

ADFC32-1906.5 - C			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	1906.50	*+/-2.0
Bandwidth	MHz	+/-13.5	*+/-1.0
Insertion Loss	dB	≤1.3	*+/-0.5
Ripple	dB	≤1.0	*≤0.5
V.S.W.R.	BW	≤2.0	*+/-0.2
Relative Attenuation			
@ 1680 MHz	dB	≥15	*+/-2.0
@ 2130 MHz	dB	≥10	*+/-2.0
@ 3180 MHz	dB	≥23	*+/-2.0
@ 5720 MHz	dB	≥23	*+/-2.0

*Post Environmental Tolerance

ADFC32-1906.50 - D			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	1906.50	*+/-2.0
Bandwidth	MHz	+/-13.5	*+/-1.0
Insertion Loss	dB	≤3.0	*+/-0.5
Ripple	dB	≤0.8	*+/-0.5
V.S.W.R.	BW	≤2.0	*+/-0.2
Relative Attenuation			
1413 ~ 1440 MHz	dB	≥40	*+/-2.0
1653 ~ 1680 MHz	dB	≥35	*+/-2.0
2128 ~ 2160 MHz	dB	≥30	*+/-2.0
@ 2361 MHz	dB	≥30	*+/-2.0

*Post Environmental Tolerance

ADFC32-2450.00 - E			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	2450.00	*+/-2.0
Bandwidth	MHz	+/-50.0	*+/-1.0
Insertion Loss	dB	≤2.5	*+/-0.5
Ripple	dB	≤1.0	*+/-0.5
V.S.W.R.	BW	≤2.0	*+/-0.2
Relative Attenuation			
@ 1950 MHz	dB	≥42	*+/-2.0
@ 2200 MHz	dB	≥22	*+/-2.0
@ 2700 MHz	dB	≥9.5	*+/-2.0
@ 2950 MHz	dB	≥26	*+/-2.0
@ 4900 MHz	dB	≥35	*+/-2.0

*Post Environmental Tolerance

MULTI-LAYER DIELECTRIC FILTER

ADFC32 Series

*RoHS COMPLIANT



3.2 x 2.5 x 1.5mm

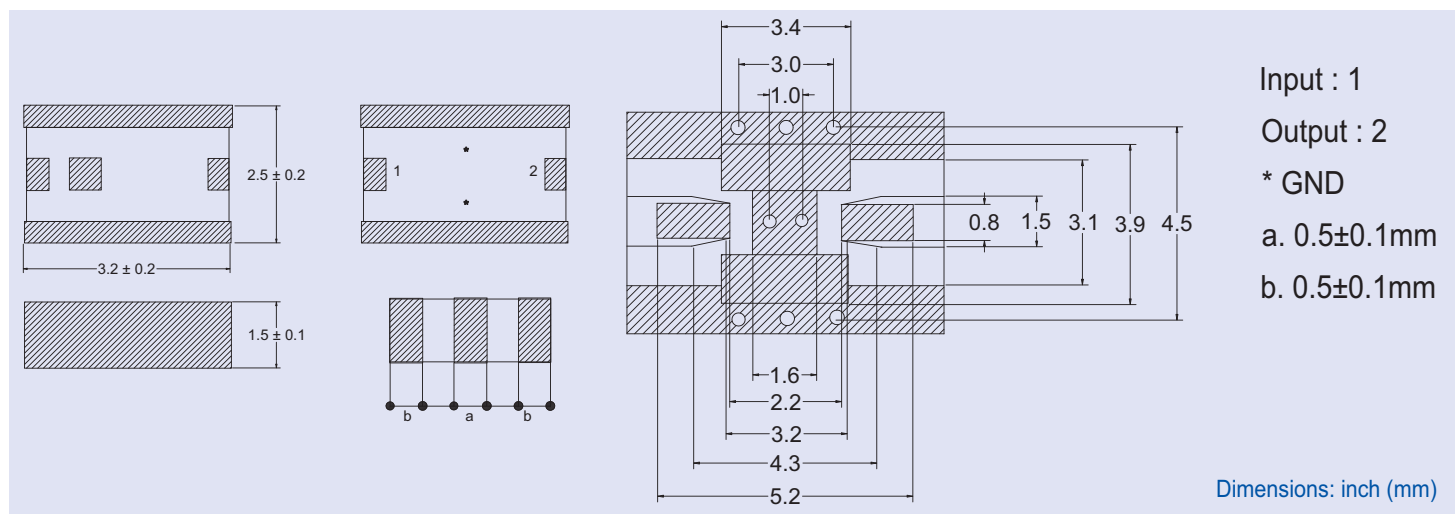
STANDARD SPECIFICATIONS (CONT'D):

ADFC32-2450.00 - F			
CHARACTERISTICS	UNIT	TYP.	TOL.
Center Frequency Fc	MHz	2450.00	*+/-2.0
Bandwidth	MHz	+/-50.0	*+/-1.0
Insertion Loss	dB	≤1.8	*+/-0.5
Ripple	dB	≤0.5	*+/-0.5
V.S.W.R.	BW	≤2.0	*+/-0.2
Relative Attenuation			
902 ~ 928 MHz	dB	≥48	*+/-3.0
1500 ~ 1550 MHz	dB	≥50	*+/-3.0
2150 ~ 2200 MHz	dB	≥12	*+/-3.0
4800 ~ 5500 MHz	dB	≥30	*+/-3.0

*Post Environmental Tolerance

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Impedance @ Input/Output	50Ω
Input Power	1.0W
Reliability (MTBF)	1x10 ⁻⁶ /pc.hr

OUTLINE DRAWING:



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