



Alchip® MFK Large Capacitance

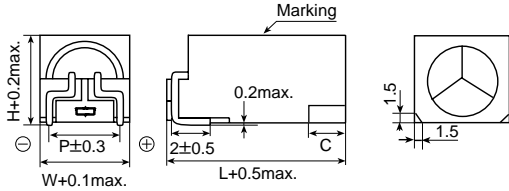
- Endurance : 105°C 2000 hours
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)



◆SPECIFICATIONS

Items	Characteristics					
Category	-40 to +105°C					
Temperature Range	-40 to +105°C					
Rated Voltage Range	10 to 50V _{dc}					
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)					
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)					
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	10V	16V	25V	35V	50V
	tanδ (Max.)	0.30	0.25	0.22	0.18	0.18
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	10V	16V	25V	35V	50V
	Z(-25°C)/Z(+20°C)	3	2	2	2	2
	Z(-40°C)/Z(+20°C)	8	6	4	3	3
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 105°C.					
	Capacitance change	≤±20% of the initial value				
	D.F. (tanδ)	≤200% of the initial specified value				
	Leakage current	The initial specified value				
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied.					
	Capacitance change	≤±15% of the initial value				
	D.F. (tanδ)	≤150% of the initial specified value				
	Leakage current	≤The initial specified value				

◆DIMENSIONS (Terminal Type=FC) [mm]



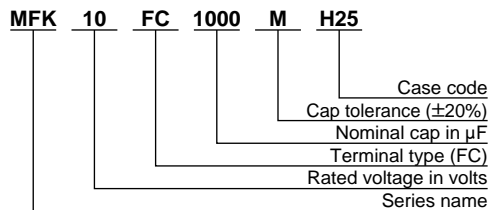
Case code	L	W	H	P	C
H15	17.1	9.0	9.0	7.4	0
H20	21.5	9.0	9.0	7.4	5
H25	26.5	9.0	9.0	7.4	10

◆MARKING

EX) 35V330μF



◆PART NUMBERING SYSTEM



◆STANDARD RATINGS

μF \ V _{dc}	10		16		25		35		50				
47													
100										H15	0.40	330	
180										H15	0.40	330	
220								H15	0.40	330	H20	0.27	440
330								H15	0.40	330	H20	0.27	440
470	H15	0.47	330	H15	0.40	330	H20	0.27	440	H25	0.20	570	
680	H20	0.27	440	H20	0.27	440	H25	0.20	570				
1,000	H25	0.20	570	H25	0.20	570							

