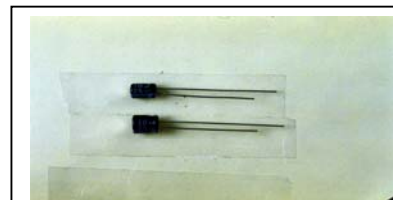


# GFR

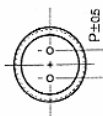
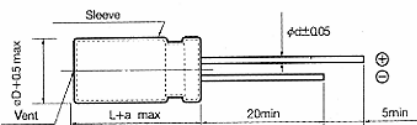
### Specifications

- Features
  - Lifetime:85°C,1000hrs
  - Low profile/Ultra-miniature
  - 5mm height
- Recommended Applications
  - AV(TV, Video, Audio)
  - Monitor/Computer
  - OA/HA/Communication
  - Small signal



Items	Characteristics							
Capacitance Tolerance	±20% (M) (120Hz,20°C)							
Rated Voltage Range (WV)	4~50 VDC							
Operating Temperature Range	-40 ~ +85°C							
Surge Voltage (V) (20°C)	WV	4	6.3	10	16	25	35	50
	SV	5	8	13	20	32	44	63
Leakage Current (Max) (20°C)	I ≤ 0.01CV or 3μ A whichever is greater (After rated voltage applied for 2 minutes)							
	I= Leakage Current (μ A) C= Nominal Capacitance (μ F) V= Rated Voltage (V)							
Dissipation Factor (Max) (tanδ) (120Hz, 20°C)	WV	4	6.3	10	16	25	35	50
	tanδ	0.35	0.24	0.20	0.16	0.14	0.12	0.10
Low Temperature Stability Impedance Ratio (Max)	Z (120Hz)	4	6.3	10	16	25	35	50
	Z(-25°C) / Z(20°C)	6	4	3	2	2	2	2
	Z(-40°C) / Z(20°C)	12	8	6	4	4	4	4
Load Life	After applying rated voltage for 1000 hours at 85°C, the capacitor shall meet the following requirement.							
	Capacitance Change	Within±20% of the initial value						
	Dissipation Factor	Not more than 200% of the specified value						
Shelf Life	After placed at 85°C without voltage applied for 500 hours, the capacitor shall meet the same requirement as load life.							
	Applicable standards	Refer to JIS C 5101						

### Dimensions (mm)



φD	4	5	6.3
P	1.5	2.0	2.5
φd	0.45	0.45	0.45
a	1.0	1.0	1.0

### Multiplier for Ripple Current

#### Frequency coefficient

Freq. (Hz)	50	120	1K	10K~100K
WV (VDC)				
4~16	0.80	1.00	1.10	1.20
25~50	0.80	1.00	1.50	1.70

#### Temperature coefficient

Ambient Temperature (°C)	≤ 50	70	85
Coefficient	1.36	1.25	1.00

