SANYO

ME-WG Series

Low ESR, Miniature

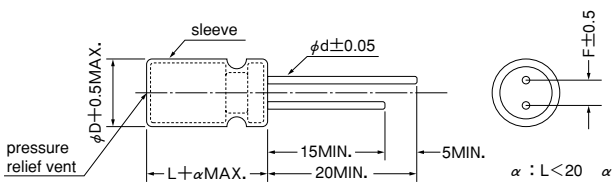
This series has smaller impedance than ME-WX series.
High ripple, miniature, low impedance at high frequency.

WG ← Low ESR mini → WX

Specifications

Items		Specifications			
Rated voltage (V)		6.3	10	16	25
Category temperature range (℃)		−40 to +105			
Capacitance tolerance (%)		±20 (120Hz/20℃)			
Tangent of loss angle (tanδ) (MAX.)		0.22	0.19	0.16	0.14
		When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase. (120Hz/20℃)			
Leakage current(L.C.)(μA/after 2min.)(MAX.)		0.03CV			
Impedance (120Hz) ratio at low temperature (MAX.)	Z−25℃/Z20℃	2	2	2	2
	Z−40℃/Z20℃	3	3	3	3
Endurance rated voltage applied	Test (hrs.)	105℃ 2000 (φ8×20：3000　φ10×20、φ10×23：4000)			
	△C/C	Within ±25% of the initial value			
	tanδ	≤ Twice the initial standard			
	L.C.	≤ The initial standard			

Dimensions



(Unit：mm)

φD	8	10
F	3.5	5.0
φd	0.6	0.6

α：L<20　α=1.5　L≧20　α=2.0 (Only φ8×11.5　α=2.0)

Size List, ESR, Maximum Permissible Ripple Current

V / μF	6.3			10			16			25		
	Case size φD×L (mm)	ESR (mΩMAX.) 20℃/100kHz	Ripple current (mA rms) 105℃/100kHz	Case size φD×L (mm)	ESR (mΩMAX.) 20℃/100kHz	Ripple current (mA rms) 105℃/100kHz	Case size φD×L (mm)	ESR (mΩMAX.) 20℃/100kHz	Ripple current (mA rms) 105℃/100kHz	Case size φD×L (mm)	ESR (mΩMAX.) 20℃/100kHz	Ripple current (mA rms) 105℃/100kHz
220										8×11.5	30	1110
330							8×11.5	30	1140	8×11.5	32	1080
										10×12.5※3	25	1440
470				8×11.5	30	1140	8×11.5	36	1140	8×20※1	18	1820
										10×12.5	27	1390
										10×16※3	20	1920
680				8×11.5	36	1140	8×16※1	28	1490	10×16	22	1830
							10×12.5	26	1540	10×20※3	16	2180
820	8×11.5	36	1140									
1000	8×11.5	30	1140	8×16※1	28	1490	8×20※1	19	1870	10×23※1	16	2180
				10×12.5	26	1540	10×16	19	2000			
1200	8×16	28	1490	8×20※1	19	1870						
1500	8×20※1	19	1870	8×20※1	19	1870	10×20	13	2550			
	8×20※2	16	1950	10×16	19	2000						
	10×12.5	26	1540									
	10×16※3	18	2000									
1800	8×20※2	16	1950	10×20	13	2550	10×23	12	2800			
	10×16	19	2000									
2200	10×20	13	2550	10×23	12	2800						
3300	10×23	12	2800									

※1；Series symbol is WGL
※2；Series symbol is WGL2
※3；Series symbol is WGV

Model No.

10 ME 1000 WG
- WG: Series code
- 1000: Capacitance symbol
- ME: Type code
- 10: Rated voltage

6 ME 1500 WGL
- WGL: Series code
- 1500: Capacitance symbol
- ME: Type code
- 6: Rated voltage

25 ME 470 WGV
- WGV: Series code
- 470: Capacitance symbol
- ME: Type code
- 25: Rated voltage