

ME-WG Series Low ESR, Miniature

WG

← Low ESR Mini

WX

Feature

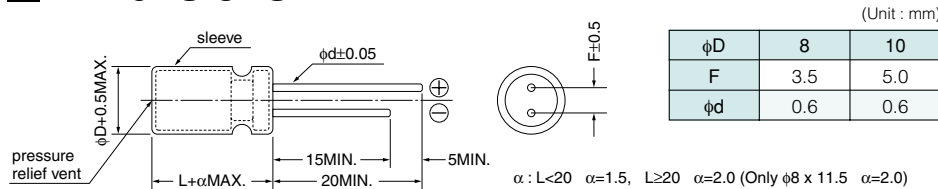
This series has smaller ESR than ME-WX series.
High ripple, miniature, low ESR at high frequency.



Specifications

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

Dimensions



Size List, E.S.R. , Rated Ripple Current

V	6.3			10			16			25		
	Case size φD x L (mm)	E.S.R. (mΩMAX.) 20°C/100kHz	Ripple current (mAr.m.s.) 105°C/100kHz	Case size φD x L (mm)	E.S.R. (mΩMAX.) 20°C/100kHz	Ripple current (mAr.m.s.) 105°C/100kHz	Case size φD x L (mm)	E.S.R. (mΩMAX.) 20°C/100kHz	Ripple current (mAr.m.s.) 105°C/100kHz	Case size φD x L (mm)	E.S.R. (mΩMAX.) 20°C/100kHz	Ripple current (mAr.m.s.) 105°C/100kHz
220										8 x 11.5	30	1110
330							8 x 11.5	30	1140	8 x 11.5	32	1080
470				8 x 11.5	30	1140	8 x 11.5	36	1140	10 x 12.5 *3	25	1440
										8 x 20 *1	18	1820
680							8 x 11.5	36	1140	10 x 12.5	27	1390
										10 x 16 *3	20	1920
820				8 x 11.5	36	1140	8 x 16 *1	28	1490	10 x 16	22	1830
							10 x 12.5	26	1540	10 x 20 *3	16	2180
1000	8 x 11.5	36	1140	8 x 16 *1	28	1490	8 x 20 *1	19	1870	10 x 23 *1	16	2180
				10 x 12.5	26	1540	10 x 16	19	2000			
1200	8 x 16	28	1490	8 x 20 *1	19	1870						
	8 x 20 *1	19	1870	8 x 20 *1	19	1870	10 x 20	13	2550			
	8 x 20 *2	16	1950	10 x 16	19	2000						
	10 x 12.5	26	1540									
1500	10 x 16 *3	18	2000									
	8 x 20 *2	16	1950	10 x 20	13	2550	10 x 23	12	2800			
	10 x 16	19	2000									
2200	10 x 20	13	2550	10 x 23	12	2800						
3300	10 x 23	12	2800									

*1 ; Series symbol is WGL *2 ; Series symbol is WGL2 *3 ; Series symbol is WG

Model No.

