Aluminum Electrolytic Type / Radial Lead Type **RoHS compliance**

ME-SWG Series

Low ESR, Small
7mm Height

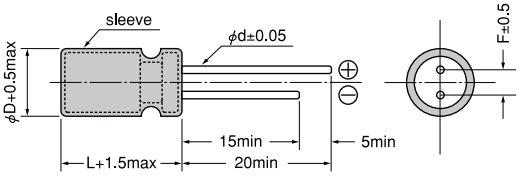
- 105℃, 1,000 to 2,000hours
- Non solvent proof

ME-SWG
↑ Low ESR
ME-SAX (P.71)

■ Specifications

Items	Condition		Specifications				
Rated voltage (V)	–		6.3	10	16	25	35
Surge voltage (V)	Room temperature		8.0	13	20	32	44
Category temperature range (℃)	–		−40 to +105				
Capacitance tolerance (%)	120Hz/20℃		M : ±20				
Dissipation Factor (tan δ)	tanδ (max) 120Hz/20℃		0.24	0.20	0.16	0.14	0.12
Leakage current (LC)	μA/after 2minutes (max)		0.03CV				
Impedance ratio at low temperature	Based the value at 120Hz, +20℃	−25℃ Z/Z20℃	2	2	2	2	2
		−40℃ Z/Z20℃	3	3	3	3	3
Endurance	105℃ rated voltage applied (With the rated ripple current)	Test	φ5 : 1,000hours, φ6.3 : 2,000hours, (6ME330SWG, 10ME220SWG : 1,000hours)				
		△C/C	Within ±25% of the initial value (6.3V, 10V : ±30%)				
		tan δ	Less than 200% of the specified value				
		LC	Less than the specified value				

■ Dimensions



(Unit : mm)

φD	5	6.3
F	2.0	2.5
φd	0.45	0.45

■ Size, ESR, Rated Ripple Current

V / Items / μF	6.3			10			16			25			35		
	Case size φDxL (mm)	ESR (Ωmax) 20℃/100kHz	Ripple current (mArms) 105℃/100kHz	Case size φDxL (mm)	ESR (Ωmax) 20℃/100kHz	Ripple current (mArms) 105℃/100kHz	Case size φDxL (mm)	ESR (Ωmax) 20℃/100kHz	Ripple current (mArms) 105℃/100kHz	Case size φDxL (mm)	ESR (Ωmax) 20℃/100kHz	Ripple current (mArms) 105℃/100kHz	Case size φDxL (mm)	ESR (Ωmax) 20℃/100kHz	Ripple current (mArms) 105℃/100kHz
22										5×7	0.17	390	5×7	0.17	390
39							5×7	0.17	390	5×7	0.17	390			
47													6.3×7	0.082	760
56				5×7	0.17	390									
100	5×7	0.17	390	6.3×7	0.082	760	6.3×7	0.082	760	6.3×7	0.082	760			
150	6.3×7	0.082	760	6.3×7	0.082	760	6.3×7	0.082	760						
220	6.3×7	0.082	760	6.3×7	0.082	760									
330	6.3×7	0.082	760												

Please refer to page 15 for ripple current frequency coefficients.

■ Part number

25 ME 100 SWG
- SWG — Series code
- 100 — Rated capacitance
- ME — Type code
- 25 — Rated voltage