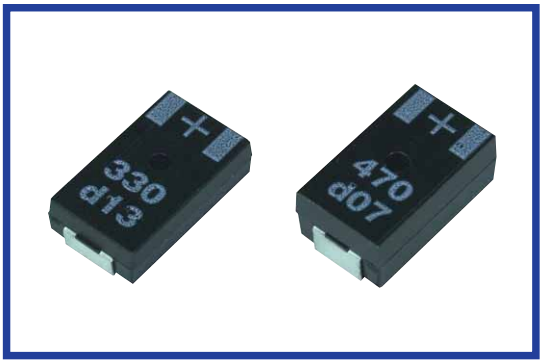
Rubycon **CONDUCTIVE POLYMER ALUMINUM SOLID ELECTROLYTIC CAPACITORS**

SW SERIES

SWZ SERIES UPGRADE



◆FEATURES

SW:High Capacitance,Low ESR
SWZ:High Capacitance,Ultra Low ESR
・RoHS Compliance
・Lead free reflow soldering is available
(260℃,10sec):(Available for MSL3)

◆SPECIFICATIONS

Series		SW		SWZ
		2.7mm	2.9mm	1.9mm
Temperature Range(℃)		−55～+105℃		
Rated Voltage Range(V.DC)		2～8	2～6.3	2～10
Rated Cap Range(μF)		68～220	120～470	47～330
Capacitance Tolerance(20℃/120Hz)		±20%		
Leakage Current(after 5 minutes)(μA)		≦0.04CV		
(Tanδ) Dissipation Factor(20℃/120Hz)		≦0.1		≦0.1
Equivalent Series Resistance(ESR) (mΩ)(20℃/100kHz)		9～18	9	4.5～25
Maximum Allowable Ripple Current(mA r.m.s)(100kHz)		3,500 2,500(8V)		1,800～3,500
Surge Voltage		Rated voltage ×1.25		
Endurance (105℃, 2000hrs, Rated Voltage applied)	ΔC	Within ±20% of the initial value		
	Tanδ	≦200% of initial specified value		
	LC	≦initial specified value		
Damp heat(Steady state) (60℃, 90%RH, 500hrs, No-applied voltage)	ΔC	Within −20%～+40% of the initial value		Within −20%～+60% of the initial value
	Tanδ	≦200% of initial specified value		
	LC	≦300% of initial specified value		

◆STANDARD SIZE

Series	WV(V.DC)	Cap(μF)	Size(mm)			ESR (mΩ)	(mAr.m.s)	Part No.
			L	W	H			
SW	2(d)	220	7.3	4.3	2.7	9	3,500	2SW220M
		270	7.3	4.3	2.9	9	3,500	2SW270M
		330	7.3	4.3	2.9	9	3,500	2SW330M
		390	7.3	4.3	2.9	9	3,500	2SW390M
		470	7.3	4.3	2.9	9	3,500	2SW470M
	2.5(e)	180	7.3	4.3	2.7	9	3,500	2.5SW180M
		220	7.3	4.3	2.9	9	3,500	2.5SW220M
		270	7.3	4.3	2.9	9	3,500	2.5SW270M
		330	7.3	4.3	2.9	9	3,500	2.5SW330M
	4(g)	150	7.3	4.3	2.7	9	3,500	4SW150M
		180	7.3	4.3	2.9	9	3,500	4SW180M
		220	7.3	4.3	2.9	9	3,500	4SW220M
		270	7.3	4.3	2.9	9	3,500	4SW270M
	6.3(j)	100	7.3	4.3	2.7	9	3,500	6SW100M
		120	7.3	4.3	2.9	9	3,500	6SW120M
		150	7.3	4.3	2.9	9	3,500	6SW150M
		180	7.3	4.3	2.9	9	3,500	6SW180M
		220	7.3	4.3	2.9	9	3,500	6SW220M
	8(k)	68	7.3	4.3	2.7	18	2,500	8SW68M
		100	7.3	4.3	2.7	18	2,500	8SW100M
SWZ	2(d)	270	7.3	4.3	1.9	9	3,000	2SWZ270M R09
		270	7.3	4.3	1.9	6	3,500	2SWZ270M R06
		330	7.3	4.3	1.9	15	2,700	2SWZ330M R15
		330	7.3	4.3	1.9	9	3,000	2SWZ330M R09
		330	7.3	4.3	1.9	6	3,500	2SWZ330M R06
		330	7.3	4.3	1.9	4.5	3,500	2SWZ330M R05
	2.5(e)	220	7.3	4.3	1.9	9	3,000	2.5SWZ220M R09
		220	7.3	4.3	1.9	6	3,500	2.5SWZ220M R06
		270	7.3	4.3	1.9	9	3,000	2.5SWZ270M R09
		270	7.3	4.3	1.9	6	3,500	2.5SWZ270M R06
		330	7.3	4.3	1.9	15	2,700	2.5SWZ330M R15
		330	7.3	4.3	1.9	9	3,000	2.5SWZ330M R09
		330	7.3	4.3	1.9	6	3,500	2.5SWZ330M R06
	4(g)	180	7.3	4.3	1.9	9	3,000	4SWZ180M R09
		220	7.3	4.3	1.9	9	3,000	4SWZ220M R09
	6.3(j)	120	7.3	4.3	1.9	9	3,000	6SWZ120M R09
		150	7.3	4.3	1.9	15	2,700	6SWZ150M R15
		150	7.3	4.3	1.9	9	3,000	6SWZ150M R09
	10(A)	47	7.3	4.3	1.9	25	1,800	10SWZ47M R25