

# 2SW390M2.9X7.3 Datasheet



DiGi Electronics Part Number	2SW390M2.9X7.3-DG
Manufacturer	<a href="#">Rubycon</a>
Manufacturer Product Number	2SW390M2.9X7.3
Description	CAP ALUM POLY 390UF 20% 2V SMD
Detailed Description	390 $\mu$ F 2 V Aluminum - Polymer Capacitors 2917 (7343 Metric) 9mOhm 2000 Hrs @ 105°C

<https://www.DiGi-Electronics.com>

This model 2SW390M2.9X7.3 is available at DiGi Electronics.

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We welcome your inquiries regarding pricing, lead time, or other product-related questions.

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## Purchase and inquiry

**Manufacturer Product Number:**

2SW390M2.9X7.3

**Series:**

PC-CON, SW

**Type:**

Polymer

**Tolerance:**

±20%

**ESR (Equivalent Series Resistance):**

9mOhm

**Operating Temperature:**

-55°C ~ 105°C

**Applications:**

General Purpose

**Size / Dimension:**

0.287" L x 0.169" W (7.30mm x 4.30mm)

**Surface Mount Land Size:**

-

**Package / Case:**

2917 (7343 Metric)

**Manufacturer:**

Rubycon

**Product Status:**

Not For New Designs

**Capacitance:**

390 µF

**Voltage - Rated:**

2 V

**Lifetime @ Temp.:**

2000 Hrs @ 105°C

**Ratings:**

-

**Lead Spacing:**

-

**Height - Seated (Max):**

0.114" (2.90mm)

**Mounting Type:**

Surface Mount

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8532.22.0020

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**ECCN:**

EAR99



# 导电性高分子铝固体电解电容器

## CONDUCTIVE POLYMER ALUMINUM SOLID ELECTROLYTIC CAPACITORS

PC-CON

**SLG 系列**  
**SERIES**
**SWZ/SW 系列**  
**SERIES**

### ◆ 特 长 / FEATURES

SLG : 超薄型品 / Ultra Low Profile

SW : 高容量、低ESR品 / High Capacitance, Low ESR

SWZ : 高容量、超低ESR品 / High Capacitance, Ultra Low ESR

- RoHS对应品 / RoHS Compliance
- 可以进行无铅回流焊接 (260°C、10秒) : (对应MSL3)  
Lead free reflow soldering is available (260°C, 10sec) : (Available for MSL3)



### ◆ 规格表 / SPECIFICATIONS

系列名称 Series	SLG	SWZ	SW	
	1.1mm	1.9mm	2.7mm	2.9mm
工作温度范围 Category Temperature Range(°C)	-55 ~ +105°C			
额定电压范围 Rated Voltage Range(V.DC)	2~6.3	2~10	2~8	2~6.3
静电容量范围 Capacitance Range(μF)	47~220	47~330	68~220	120~470
静电容量允许差 Capacitance Tolerance(20°C, 120Hz)	±20%			
漏电流(施加额定电压5分钟后) Leakage Current(μA/after 5 minutes)	≤0.04CV			
损失角正切值(tan δ) Dissipation Factor(20°C, 120Hz)	≤0.1			
等效串联电阻(ESR) Equivalent Series Resistance(ESR) (mΩ/20°C, 100kHz)	9~15	4.5~25	9~18	9
最大允许纹波电流 Maximum Allowable Ripple Current(mA r.m.s/100kHz)	2,100~2,700	1,800~3,500	2,500~3,500	
突波电压 Surge Voltage	额定电压的1.25倍 Rated voltage X1.25			
耐久性 (105°C、2000小时、施加额定电压) Endurance (105°C, 2000hrs, Rated Voltage applied)	ΔC	初期值的±20%以内 Within ±20% of the initial value		
	tan δ	初期规格值的200%以下 ≤200% of initial specified value		
	LC	初期规格值以下 ≤initial specified value		
高温高湿(固定) (60°C, 90%RH, 无负荷500小时) Damp heat(Steady state) (60°C, 90%RH, 500hrs, No-applied voltage)	ΔC	初期值的-20%~+60%以内 Within -20%~+60% of the initial value	初期值的-20%~+40%以内 Within -20%~+40% of the initial value	
	tan δ	初期规格值的200%以下 ≤200% of initial specified value		
	LC	初期规格值的300%以下 ≤300% of initial specified value		

作为模拟数据在我司网站提供了PC-CON SPICE模型(netlist)。在各种电路设计时会有用。

Our website offers the SPICE model (netlist) of PC-CON as the data for simulations. Please make use of various circuit design.

有关车载对应、请另外询问。

For automotive use (AEC-Q200), please inquire our sales offices.



# 导电性高分子铝固体电解电容器

## CONDUCTIVE POLYMER ALUMINUM SOLID ELECTROLYTIC CAPACITORS

PC-CON

## ◆产品一览表 / ITEM

系列 Series	额定电压 (V.DC)	静电容量 Cap(μF)	尺寸 Size(mm)			ESR (mΩ)	额定 纹波电流 (mAr.m.s)	编号 Part No.
			L	W	H			
SLG	2 (d)	100	7.3	4.3	1.1	9	2,700	2SLG100M
		150	7.3	4.3	1.1	9	2,700	2SLG150M
		180	7.3	4.3	1.1	9	2,700	2SLG180M
		220	7.3	4.3	1.1	9	2,700	2SLG220M
	2.5 (e)	100	7.3	4.3	1.1	9	2,700	2.5SLG100M
		150	7.3	4.3	1.1	9	2,700	2.5SLG150M
		180	7.3	4.3	1.1	9	2,700	2.5SLG180M
4(g)	68	7.3	4.3	1.1	15	2,100	4SLG68M	
6.3(j)	47	7.3	4.3	1.1	15	2,100	6SLG47M	
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	2.5SWZ330MR15
		330	7.3	4.3	1.9	9	3,000	2.5SWZ330MR09
		330	7.3	4.3	1.9	6	3,500	2.5SWZ330MR06
		4 (g)	180	7.3	4.3	1.9	9	3,000
	6.3 (j)	220	7.3	4.3	1.9	9	3,000	4SWZ220M R09
		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	10SWZ47MR25
	SW	2 (d)	220	7.3	4.3	2.7	9	3,500
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
		390	7.3	4.3	2.9	9	3,500	2.5SW390M
		150	7.3	4.3	2.7	9	3,500	4SW150M
4 (g)		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
		330	7.3	4.3	2.9	9	3,500	4SW330M
		100	7.3	4.3	2.7	9	3,500	6SW100M
6.3 (j)		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		

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