

SLG SERIES
UPGRADE
SW/SWZ SERIES
UPGRADE

SLG : Ultra Low Profile
 SW : High Capacitance, Low ESR
 SWZ : High Capacitance, Ultra Low ESR


◆FEATURES

- Lead free reflow soldering is available.
 (260°C,10sec):(Available for IPC/JEDEC J-STD-020D:MSL3)
- RoHS compliance.

◆SPECIFICATIONS

Series	SLG	SWZ	SW	
	1.1mm	1.9mm	2.7mm	2.9mm
Category Temperature Range	-55~+105°C			
Rated Voltage Range(Vdc)	2~10	2~10	2~8	2~6.3
Capacitance Range(μF)	22~220	47~470	68~220	150~470
Capacitance Tolerance(20°C, 120Hz)	±20%			
Leakage Current(μA/after 5 minutes)	≤0.04CV			
(tanδ) Dissipation Factor(20°C/120Hz)	≤0.1			
Equivalent Series Resistance(ESR) (mΩ/20°C, 100kHz)	9~15	4.5~25	9~18	9
Multiplier for Ripple Current	≤45°C		45°C<T≤85°C	85°C<T≤105°C
	1.0		0.7	0.25
T=Ambient Temperature				
Surge Voltage	Rated voltage ×1.25			
Endurance (105°C, 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°C, 90%RH, 500hrs, No-applied voltage)	ΔC	Within -20%~+60% of the initial value	Within -20%~+40% of the initial value	
	tanδ	≤200% of initial specified value		
	LC	≤300% of initial specified value		

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

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

◆ITEM

Series	(Vdc)	Capacitance(μ F)	Size(mm)			ESR (m Ω)	Rated ripple current (mA r.m.s./45°C, 100kHz)	Part No.	
			L	W	H				
SLG	2	100	7.3	4.3	1.1	9	6,300	2SLG100M	
		150	7.3	4.3	1.1	9	6,300	2SLG150M	
		180	7.3	4.3	1.1	9	6,300	2SLG180M	
		220	7.3	4.3	1.1	9	6,300	2SLG220M	
	2.5	100	7.3	4.3	1.1	9	6,300	2.5SLG100M	
		150	7.3	4.3	1.1	9	6,300	2.5SLG150M	
		180	7.3	4.3	1.1	9	6,300	2.5SLG180M	
		220	7.3	4.3	1.1	9	6,300	2.5SLG220M	
	4	150	7.3	4.3	1.1	9	6,300	4SLG150M	
	6.3	100	7.3	4.3	1.1	15	5,100	6SLG100M	
10	22	7.3	4.3	1.1	15	5,100	10SLG22M		
SW	2	220	7.3	4.3	2.7	9	6,300	2SW220M	
		270	7.3	4.3	2.9	9	6,300	2SW270M	
		330	7.3	4.3	2.9	9	6,300	2SW330M	
		390	7.3	4.3	2.9	9	6,300	2SW390M	
		470	7.3	4.3	2.9	9	6,300	2SW470M	
	2.5	180	7.3	4.3	2.7	9	6,300	2.5SW180M	
		220	7.3	4.3	2.9	9	6,300	2.5SW220M	
		270	7.3	4.3	2.9	9	6,300	2.5SW270M	
		330	7.3	4.3	2.9	9	6,300	2.5SW330M	
		390	7.3	4.3	2.9	9	6,300	2.5SW390M	
		470	7.3	4.3	2.9	9	6,300	2.5SW470M	
	4	150	7.3	4.3	2.7	9	6,300	4SW150M	
		180	7.3	4.3	2.9	9	6,300	4SW180M	
		220	7.3	4.3	2.9	9	6,300	4SW220M	
		270	7.3	4.3	2.9	9	6,300	4SW270M	
		330	7.3	4.3	2.9	9	6,300	4SW330M	
	6.3	100	7.3	4.3	2.7	9	6,300	6SW100M	
		150	7.3	4.3	2.9	9	6,300	6SW150M	
		180	7.3	4.3	2.9	9	6,300	6SW180M	
		220	7.3	4.3	2.9	9	6,300	6SW220M	
	8	68	7.3	4.3	2.7	18	4,700	8SW68M	
		100	7.3	4.3	2.7	18	4,700	8SW100M	
	SWZ	2	270	7.3	4.3	1.9	9	6,300	2SWZ270M R09
			270	7.3	4.3	1.9	6	7,500	2SWZ270M R06
			330	7.3	4.3	1.9	9	6,300	2SWZ330M R09
			330	7.3	4.3	1.9	6	7,500	2SWZ330M R06
330			7.3	4.3	1.9	4.5	8,500	2SWZ330M R05	
390			7.3	4.3	1.9	9	6,300	2SWZ390M R09	
390			7.3	4.3	1.9	6	7,500	2SWZ390M R06	
390			7.3	4.3	1.9	4.5	8,500	2SWZ390M R05	
470			7.3	4.3	1.9	9	6,300	2SWZ470M R09	
470			7.3	4.3	1.9	6	7,500	2SWZ470M R06	
470			7.3	4.3	1.9	4.5	8,500	2SWZ470M R05	
2.5		220	7.3	4.3	1.9	9	6,300	2.5SWZ220M R09	
		220	7.3	4.3	1.9	6	7,500	2.5SWZ220M R06	
		270	7.3	4.3	1.9	9	6,300	2.5SWZ270M R09	
		270	7.3	4.3	1.9	6	7,500	2.5SWZ270M R06	
		330	7.3	4.3	1.9	9	6,300	2.5SWZ330M R09	
		330	7.3	4.3	1.9	6	7,500	2.5SWZ330M R06	
		390	7.3	4.3	1.9	9	6,300	2.5SWZ390M R09	
		390	7.3	4.3	1.9	6	7,500	2.5SWZ390M R06	
		470	7.3	4.3	1.9	9	6,300	2.5SWZ470M R09	
		470	7.3	4.3	1.9	6	7,500	2.5SWZ470M R06	
		4	180	7.3	4.3	1.9	9	6,300	4SWZ180M R09
220			7.3	4.3	1.9	9	6,300	4SWZ220M R09	
270			7.3	4.3	1.9	9	6,300	4SWZ270M R09	
330			7.3	4.3	1.9	9	6,300	4SWZ330M R09	
6.3		120	7.3	4.3	1.9	9	6,300	6SWZ120M R09	
		150	7.3	4.3	1.9	9	6,300	6SWZ150M R09	
		180	7.3	4.3	1.9	9	6,300	6SWZ180M R09	
		220	7.3	4.3	1.9	9	6,300	6SWZ220M R09	
10		47	7.3	4.3	1.9	25	4,000	10SWZ47M R25	