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℃,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℃			
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℃, 120Hz)		±20%			
Leakage Current(μA/after 5 minutes)		≦0.04CV			
(tanδ) Dissipation Factor(20℃/120Hz)		≦0.1			
Equivalent Series Resistance(ESR) (mΩ/20℃, 100kHz)		9～15	4.5～25	9～18	9
Multiplier for Ripple Current		≦45℃: 1.0 / 45℃<T≦85℃: 0.7 / 85℃<T≦105℃: 0.25 T=Ambient Temperature			
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%～+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(μF)	Size(mm)			ESR (mΩ)	Rated ripple current (mA r.m.s./45℃, 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