



**SXB SXE** SERIES

**SZE** SERIES

**NEW**

**SLE SM** SERIES



**◆ FEATURES**

- SXB : Standard
- SXE : Low ESR
- SZE : Low Profile Ultra Low ESR
- SM : Low Profile
- SLE : Low Profile Low ESR

- RoHS Compliance
- Pb Free and compatible with reflow soldering(260°C,10sec):(Available for MSL3)

**◆ SPECIFICATIONS**

Series	SXB	SXE	SZE	SLE	SM
	1.9mm		1.4mm		
Category Temperature Range(°C)	-55~+105°C				
Rated Voltage Range(V.DC)	2~8	2~6.3	2, 2.5	2~8	6.3
Rated Cap Range(μF)	15~220	33~220	100~150	15~100	10
Capacitance Tolerance(20°C/120Hz)	± 20%				
Leakage Current(after 5 minutes)(μA)	≤ 0.04CV				
Dissipation Factor(20°C/120Hz)(Tanδ)	≤ 0.05				
Equivalent Series Resistance(ESR) (mΩ)(20°C/100kHz)	≤ 13 ≤ 18(8V)	≤ 9	5	≤ 9 ≤ 13(8V)	30
Maximum Permissible Ripple Current(mA r.m.s)(100kHz)	3,000 2,500(8V)	3,000	3,000	3,000 2,700(8V)	1,900
Surge Voltage	Rated voltage X1.25				
Endurance (105°C, 2000hrs, Rated Voltage applied)	Δ C/C	Within ±20% of the initial value			
	Tanδ	≤ 200% of initial specified value			≤ 150%
	LC	≤ initial specified value			
Damp heat(Steady state) (60°C, 90%RH, 500hrs, No-applied voltage)	Δ C/C	Within -20~+40% of the initial value	-20%~+60%	Within -20~+40% of the initial value	
	Tanδ	≤ 200% of initial specified value			≤ 150%
	LC	≤ 300% of initial specified value			≤ 500%

**◆ STANDARD SIZE**

Series	WV(V.DC)	Cap( $\mu$ F)	Size(mm)			(m $\Omega$ )	(mAr.m.s)	Part No.
			L	W	H			
SXB Series	2	100	7.3	4.3	1.9	13	3,000	2SXB100M
		150	7.3	4.3	1.9	13	3,000	2SXB150M
		220	7.3	4.3	1.9	13	3,000	2SXB220M
	2.5	82	7.3	4.3	1.9	13	3,000	2.5SXB82M
		100	7.3	4.3	1.9	13	3,000	2.5SXB100M
		120	7.3	4.3	1.9	13	3,000	2.5SXB120M
		150	7.3	4.3	1.9	13	3,000	2.5SXB150M
		180	7.3	4.3	1.9	13	3,000	2.5SXB180M
	4	33	7.3	4.3	1.9	13	3,000	4SXB33M
		68	7.3	4.3	1.9	13	3,000	4SXB68M
		100	7.3	4.3	1.9	13	3,000	4SXB100M
		150	7.3	4.3	1.9	13	3,000	4SXB150M
	6.3	22	7.3	4.3	1.9	13	3,000	6SXB22M
		33	7.3	4.3	1.9	13	3,000	6SXB33M
		47	7.3	4.3	1.9	13	3,000	6SXB47M
		68	7.3	4.3	1.9	13	3,000	6SXB68M
		100	7.3	4.3	1.9	13	3,000	6SXB100M
	8	15	7.3	4.3	1.9	18	2,500	8SXB15M
		33	7.3	4.3	1.9	18	2,500	8SXB33M
		47	7.3	4.3	1.9	18	2,500	8SXB47M
SXE Series	2	100	7.3	4.3	1.9	9	3,000	2SXE100M
		150	7.3	4.3	1.9	9	3,000	2SXE150M
		180	7.3	4.3	1.9	9	3,000	2SXE180M
		220	7.3	4.3	1.9	9	3,000	2SXE220M
		220	7.3	4.3	1.9	7	3,000	2SXE220M R07
	2.5	82	7.3	4.3	1.9	9	3,000	2.5SXE82M
		100	7.3	4.3	1.9	9	3,000	2.5SXE100M
		120	7.3	4.3	1.9	9	3,000	2.5SXE120M
		150	7.3	4.3	1.9	9	3,000	2.5SXE150M
		180	7.3	4.3	1.9	9	3,000	2.5SXE180M
	4	68	7.3	4.3	1.9	9	3,000	4SXE68M
		82	7.3	4.3	1.9	9	3,000	4SXE82M
		100	7.3	4.3	1.9	9	3,000	4SXE100M
		120	7.3	4.3	1.9	9	3,000	4SXE120M
		150	7.3	4.3	1.9	9	3,000	4SXE150M
	6.3	33	7.3	4.3	1.9	9	3,000	6SXE33M
		47	7.3	4.3	1.9	9	3,000	6SXE47M
		68	7.3	4.3	1.9	9	3,000	6SXE68M
		82	7.3	4.3	1.9	9	3,000	6SXE82M
		100	7.3	4.3	1.9	9	3,000	6SXE100M
SZE Series	2	100	7.3	4.3	1.4	5	3,000	2SZE100M
		150	7.3	4.3	1.4	5	3,000	2SZE150M
	2.5	100	7.3	4.3	1.4	5	3,000	2.5SZE100M
		120	7.3	4.3	1.4	5	3,000	2.5SZE120M
SLE Series	2	100	7.3	4.3	1.4	9	3,000	2SLE100M
	2.5	82	7.3	4.3	1.4	9	3,000	2.5SLE82M
	4	68	7.3	4.3	1.4	9	3,000	4SLE68M
	6.3	47	7.3	4.3	1.4	9	3,000	6SLE47M
	8	15	7.3	4.3	1.4	13	2,700	8SLE15M
SM Series	6.3	10	7.3	4.3	1.4	30	1,900	6SM10M