SXE Series

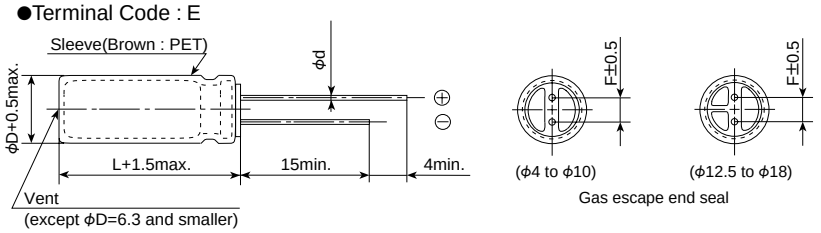
- Low impedance capacitors, operating temperature range from −55 to 105℃
- Solvent-proof type
- Pb-free design

◆SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	−55 to +105℃									
Rated Voltage Range	6.3 to 100Vdc									
Capacitance Tolerance	±20%(M) (at 20℃, 120Hz)									
Leakage Current	I=0.03CV (after 1 minute at 20℃) Where: I:Max. leakage current (μA), C:Nominal capacitance (μF), V:Rated voltage (V) I=0.01CV (after 2 minutes at 20℃)									
Dissipation factor (tanδ)	Rated voltage(Vdc)	6.3	10	16	25	35	50	63	80	100
	tanδ (Max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.08	0.07
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20℃, 120Hz)									
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for the specified period of lifetime at 105℃.									
	Lifetime	1,000 hours (φ4 to 8)	2,000 hours (φ10 to 18)							
	Capacitance change	≦±20% of the initial value	≦±20% of the initial value							
	D.F. (tanδ)	≦200% of the initial specified value	≦200% of the initial specified value							
	Leakage current	≦the initial specified value	≦the initial specified value							
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied.									
	Capacitance change	≦±20% of the initial value								
	D.F. (tanδ)	≦150% of the initial specified value								
	Leakage current	≦the initial specified value								

◆DIMENSIONS [mm]

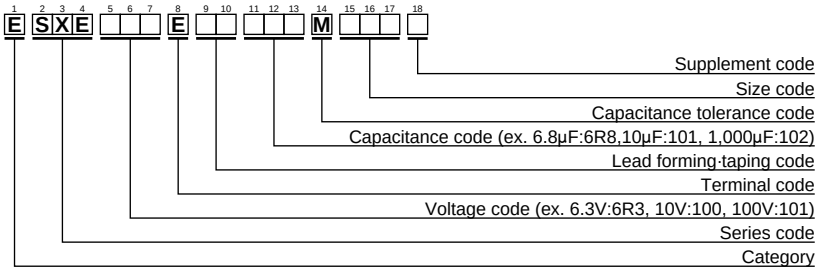
- Terminal Code : E



φD	4	5	6.3	8	10 & 12.5	16 & 18
φd	0.45	0.5*	0.5*	0.6	0.6	0.8
F	1.5	2.0	2.5	3.5	5.0	7.5

*For L=7mm, φd is 0.45

◆PART NUMBERING SYSTEM



Specifications in this bulletin are subject to change without notice.

SXE Series

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L (mm)	Impedance (Ωmax/ 100kHz) 20℃	Impedance (Ωmax/ 100kHz) -10℃	Rated ripple current (mArms/105℃) 100kHz	Rated ripple current (mArms/105℃) 120Hz	Part No.
6.3	27	4X7	5.5	14.3	50	25	ESXE6R3E□□270MD07D
	56	5X7	3.4	8.8	75	68	ESXE6R3E□□560ME07D
	68	4X11.5	2.2	5.7	102	74	ESXE6R3E□□680MDB5D
	120	5X11.5	1.3	3.4	154	108	ESXE6R3E□□121MEB5D
	120	6.3X7	1.4	3.6	140	98	ESXE6R3E□□121MF07D
	150	5X15	0.92	2.4	210	147	ESXE6R3E□□151ME15D
	220	6.3X11.5	0.61	1.6	260	182	ESXE6R3E□□221MFB5D
	330	6.3X15	0.40	1.0	350	245	ESXE6R3E□□331MF15D
	390	8X12	0.34	0.88	400	320	ESXE6R3E□□391MH12D
	470	10X12.5	0.28	0.73	510	410	ESXE6R3E□□471MJC5S
	560	8X15	0.24	0.62	500	400	ESXE6R3E□□561MH15D
	680	10X15	0.22	0.57	635	510	ESXE6R3E□□681MJ15S
	820	8X20	0.19	0.49	650	520	ESXE6R3E□□821MH20D
	1,200	10X20	0.14	0.36	860	775	ESXE6R3E□□122MJ20S
	1,200	12.5X15	0.12	0.31	970	875	ESXE6R3E□□122MK15S
	1,500	10X25	0.12	0.31	1,030	930	ESXE6R3E□□152MJ25S
	2,200	10X30	0.095	0.25	1,150	1,035	ESXE6R3E□□222MJ30S
	2,200	12.5X20	0.089	0.23	1,120	1,010	ESXE6R3E□□222MK20S
	2,200	16X15	0.10	0.26	1,100	990	ESXE6R3E□□222ML15S
	2,700	12.5X25	0.075	0.20	1,320	1,190	ESXE6R3E□□272MK25S
	3,300	18X15	0.081	0.21	1,280	1,155	ESXE6R3E□□332MM15S
	3,900	12.5X30	0.065	0.17	1,540	1,390	ESXE6R3E□□392MK30S
	3,900	16X20	0.076	0.20	1,370	1,235	ESXE6R3E□□392ML20S
	4,700	12.5X35	0.053	0.14	1,770	1,595	ESXE6R3E□□472MK35S
	5,600	12.5X40	0.046	0.12	1,980	1,785	ESXE6R3E□□562MK40S
	5,600	16X25	0.066	0.17	1,570	1,415	ESXE6R3E□□562ML25S
	5,600	18X20	0.063	0.16	1,580	1,425	ESXE6R3E□□562MM20S
	6,800	16X30	0.055	0.14	1,810	1,630	ESXE6R3E□□682ML30S
	6,800	18X25	0.054	0.14	1,830	1,650	ESXE6R3E□□682MM25S
	8,200	16X35	0.047	0.12	2,030	1,830	ESXE6R3E□□822ML35S
	10,000	16X40	0.039	0.10	2,320	2,090	ESXE6R3E□□103ML40S
	10,000	18X30	0.047	0.12	2,030	1,830	ESXE6R3E□□103MM30S
	12,000	18X35	0.042	0.11	2,240	2,020	ESXE6R3E□□123MM35S
	15,000	18X40	0.037	0.096	2,460	2,215	ESXE6R3E□□153MM40S
10	22	4X7	5.4	14.0	50	25	ESXE100E□□220MD07D
	39	5X7	3.3	8.6	75	68	ESXE100E□□390ME07D
	47	4X11.5	2.2	5.6	102	74	ESXE100E□□470MDB5D
	82	5X11.5	1.3	3.4	154	108	ESXE100E□□820MEB5D
	82	6.3X7	1.4	3.6	140	98	ESXE100E□□820MF07D
	120	5X15	0.91	2.4	210	147	ESXE100E□□121ME15D
	180	6.3X11.5	0.59	1.5	260	182	ESXE100E□□181MFB5D
	270	6.3X15	0.39	1.0	350	245	ESXE100E□□271MF15D
	330	8X12	0.33	0.86	400	280	ESXE100E□□331MH12D
	390	10X12.5	0.27	0.70	510	410	ESXE100E□□391MJC5S
	470	8X15	0.24	0.62	500	400	ESXE100E□□471MH15D
	560	8X20	0.18	0.47	650	520	ESXE100E□□561MH20D
	560	10X15	0.22	0.57	635	510	ESXE100E□□561MJ15S
	820	10X20	0.14	0.36	860	690	ESXE100E□□821MJ20S
	1,000	12.5X15	0.12	0.31	970	780	ESXE100E□□102MK15S
	1,200	10X25	0.12	0.31	1,030	930	ESXE100E□□122MJ25S
	1,500	10X30	0.093	0.24	1,150	1,035	ESXE100E□□152MJ30S
	1,500	16X15	0.10	0.26	1,100	990	ESXE100E□□152ML15S
	1,800	12.5X20	0.087	0.23	1,120	1,010	ESXE100E□□182MK20S
	2,200	12.5X25	0.073	0.19	1,320	1,190	ESXE100E□□222MK25S
	2,200	18X15	0.080	0.21	1,280	1,155	ESXE100E□□222MM15S
	2,700	12.5X30	0.064	0.17	1,540	1,390	ESXE100E□□272MK30S
	3,300	12.5X35	0.052	0.14	1,770	1,595	ESXE100E□□332MK35S
	3,300	16X20	0.075	0.20	1,370	1,235	ESXE100E□□332ML20S
	3,900	12.5X40	0.045	0.12	1,980	1,785	ESXE100E□□392MK40S
	3,900	16X25	0.065	0.17	1,570	1,415	ESXE100E□□392ML25S
	3,900	18X20	0.062	0.16	1,580	1,425	ESXE100E□□392MM20S
	4,700	16X30	0.054	0.14	1,810	1,630	ESXE100E□□472ML30S
	4,700	18X25	0.053	0.14	1,830	1,650	ESXE100E□□472MM25S
	6,800	16X35	0.046	0.12	2,030	1,830	ESXE100E□□682ML35S
	6,800	18X30	0.046	0.12	2,030	1,830	ESXE100E□□682MM30S
	8,200	16X40	0.038	0.099	2,320	2,090	ESXE100E□□822ML40S
	8,200	18X35	0.041	0.11	2,240	2,020	ESXE100E□□822MM35S

WV (Vdc)	Cap (μF)	Case size φD×L (mm)	Impedance (Ωmax/ 100kHz) 20℃	Impedance (Ωmax/ 100kHz) -10℃	Rated ripple current (mArms/105℃) 100kHz	Rated ripple current (mArms/105℃) 120Hz	Part No.
10	10,000	18X40	0.037	0.096	2,460	2,215	ESXE100E□□103MM40S
16	15	4X7	5.3	13.8	50	25	ESXE160E□□150MD07D
	27	5X7	3.3	8.6	75	49	ESXE160E□□270ME07D
	33	4X11.5	2.1	5.5	102	51	ESXE160E□□330MDB5D
	56	5X11.5	1.3	3.4	154	108	ESXE160E□□560MEB5D
	56	6.3X7	1.4	3.6	140	98	ESXE160E□□560MF07D
	82	5X15	0.89	2.3	210	147	ESXE160E□□820ME15D
	120	6.3X11.5	0.58	1.5	260	182	ESXE160E□□121MFB5D
	180	6.3X15	0.38	0.99	350	245	ESXE160E□□181MF15D
	220	8X12	0.33	0.86	400	280	ESXE160E□□221MH12D
	270	10X12.5	0.27	0.70	510	360	ESXE160E□□271MJC5S
	330	8X15	0.23	0.60	500	350	ESXE160E□□331MH15D
	390	10X15	0.21	0.55	635	510	ESXE160E□□391MJ15S
	470	8X20	0.18	0.47	650	520	ESXE160E□□471MH20D
	680	10X20	0.14	0.36	860	690	ESXE160E□□681MJ20S
	680	12.5X15	0.12	0.31	970	780	ESXE160E□□681MK15S
	820	10X25	0.12	0.31	1,030	825	ESXE160E□□821MJ25S
	1,000	10X30	0.091	0.24	1,150	920	ESXE160E□□102MJ30S
	1,200	12.5X20	0.086	0.22	1,120	1,010	ESXE160E□□122MK20S
	1,200	16X15	0.099	0.26	1,100	990	ESXE160E□□122ML15S
	1,500	12.5X25	0.072	0.19	1,320	1,190	ESXE160E□□152MK25S
	1,500	18X15	0.078	0.20	1,280	1,155	ESXE160E□□152MM15S
	2,200	12.5X30	0.063	0.16	1,540	1,390	ESXE160E□□222MK30S
	2,200	16X20	0.073	0.19	1,370	1,235	ESXE160E□□222ML20S
	2,700	12.5X35	0.051	0.13	1,770	1,595	ESXE160E□□272MK35S
	2,700	16X25	0.064	0.17	1,570	1,415	ESXE160E□□272ML25S
	3,300	12.5X40	0.045	0.12	1,980	1,785	ESXE160E□□332MK40S
	3,300	18X20	0.060	0.16	1,580	1,425	ESXE160E□□332MM20S
	3,900	16X30	0.053	0.14	1,810	1,630	ESXE160E□□392ML30S
	3,900	18X25	0.052	0.14	1,830	1,650	ESXE160E□□392MM25S
	4,700	16X35	0.046	0.12	2,030	1,830	ESXE160E□□472ML35S
	4,700	18X30	0.046	0.12	2,030	1,830	ESXE160E□□472MM30S
	5,600	16X40	0.037	0.096	2,320	2,090	ESXE160E□□562ML40S
	6,800	18X35	0.040	0.10	2,240	2,020	ESXE160E□□682MM35S
	8,200	18X40	0.036	0.094	2,460	2,215	ESXE160E□□822MM40S
25	10	4X7	5.3	13.7	50	25	ESXE250E□□100MD07D
	22	4X11.5	2.1	5.5	102	51	ESXE250E□□220MDB5D
	22	5X7	3.3	8.6	75	45	ESXE250E□□220ME07D
	39	5X11.5	1.3	3.3	154	108	ESXE250E□□390MEB5D
	39	6.3X7	1.4	3.6	140	98	ESXE250E□□390MF07D
	56	5X15	0.88	2.3	210	147	ESXE250E□□560ME15D
	82	6.3X11.5	0.58	1.5	260	182	ESXE250E□□820MFB5D
	120	6.3X15	0.38	0.99	350	245	ESXE250E□□121MF15D
	150	8X12	0.33	0.86	400	280	ESXE250E□□151MH12D
	180	10X12.5	0.26	0.68	510	360	ESXE250E□□181MJC5S
	220	8X15	0.23	0.60	500	350	ESXE250E□□221MH15D
	270	8X20	0.18	0.47	650	455	ESXE250E□□271MH20D
	270	10X15	0.21	0.55	635	445	ESXE250E□□271MJ15S
	470	10X20	0.14	0.36	860	690	ESXE250E□□471MJ20S
	470	12.5X15	0.12	0.31	970	780	ESXE250E□□471MK15S
	560	10X25	0.12	0.31	1,030	825	ESXE250E□□561MJ25S
	680	10X30	0.090	0.23	1,150	920	ESXE250E□□681MJ30S
	820	12.5X20	0.085	0.22	1,120	900	ESXE250E□□821MK20S
	820	16X15	0.098	0.25	1,100	880	ESXE250E□□821ML15S
	1,000	12.5X25	0.071	0.18	1,320	1,060	ESXE250E□□102MK25S
	1,200	18X15	0.078	0.20	1,280	1,155	ESXE250E□□122MM15S
	1,500	12.5X30	0.062	0.16	1,540	1,390	ESXE250E□□152MK30S
	1,500	16X20	0.072	0.19	1,370	1,235	ESXE250E□□152ML20S
	1,800	12.5X35	0.050	0.13	1,770	1,595	ESXE250E□□182MK35S
	1,800	16X25	0.063	0.16	1,570	1,415	ESXE250E□□182ML25S
	2,200	12.5X40	0.044	0.11	1,980	1,785	ESXE250E□□222MK40S
	2,200	18X20	0.060	0.16	1,580	1,425	ESXE250E□□222MM20S
	2,700	16X30	0.053	0.14	1,810	1,630	ESXE250E□□272ML30S
	2,700	18X25	0.051	0.13	1,830	1,650	ESXE250E□□272MM25S
	3,300	16X35	0.045	0.12	2,030	1,830	ESXE250E□□332ML35S
	3,300	18X30	0.045	0.12	2,030	1,830	ESXE250E□□332MM30S
	3,900	16X40	0.037	0.096	2,320	2,090	ESXE250E□□392ML40S

□□ : Lead forming / Taping code

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SXE Series

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L (mm)	Impedance (Ωmax/ 100kHz) 20℃	Impedance (Ωmax/ 100kHz) -10℃	Rated ripple current (mArms/105℃) 100kHz	Rated ripple current (mArms/105℃) 120Hz	Part No.
25	3,900	18X35	0.040	0.10	2,240	2,020	ESXE250E□□392MM35S
	4,700	18X40	0.036	0.094	2,460	2,215	ESXE250E□□472MM40S
35	6.8	4X7	5.2	13.4	50	25	ESXE350E□□6R8MD07D
	12	5X7	3.2	8.3	75	38	ESXE350E□□120ME07D
	15	4X11.5	2.1	5.4	102	51	ESXE350E□□150MDB5D
	27	5X11.5	1.2	3.1	154	77	ESXE350E□□270MEB5D
	27	6.3X7	1.3	3.4	140	70	ESXE350E□□270MF07D
	39	5X15	0.87	2.3	210	147	ESXE350E□□390ME15D
	56	6.3X11.5	0.57	1.5	260	182	ESXE350E□□560MFB5D
	82	6.3X15	0.37	0.96	350	245	ESXE350E□□820MF15D
	100	8X12	0.32	0.83	400	280	ESXE350E□□101MH12D
	120	10X12.5	0.26	0.68	510	360	ESXE350E□□121MJC5S
	150	8X15	0.23	0.60	500	350	ESXE350E□□151MH15D
	180	10X15	0.21	0.55	635	445	ESXE350E□□181MJ15S
	220	8X20	0.18	0.47	650	455	ESXE350E□□221MH20D
	330	10X20	0.13	0.34	860	605	ESXE350E□□331MJ20S
	330	12.5X15	0.11	0.29	970	680	ESXE350E□□331MK15S
	390	10X25	0.11	0.29	1,030	825	ESXE350E□□391MJ25S
	470	10X30	0.089	0.23	1,150	920	ESXE350E□□471MJ30S
	560	12.5X20	0.083	0.22	1,120	900	ESXE350E□□561MK20S
	560	16X15	0.096	0.25	1,100	880	ESXE350E□□561ML15S
	680	12.5X25	0.070	0.18	1,320	1,060	ESXE350E□□681MK25S
	820	18X15	0.076	0.20	1,280	1,155	ESXE350E□□821MM15S
	1,000	12.5X30	0.061	0.16	1,540	1,390	ESXE350E□□102MK30S
	1,000	16X20	0.071	0.18	1,370	1,100	ESXE350E□□102ML20S
	1,200	12.5X35	0.049	0.13	1,770	1,595	ESXE350E□□122MK35S
	1,200	16X25	0.062	0.16	1,570	1,415	ESXE350E□□122ML25S
	1,500	12.5X40	0.043	0.11	1,980	1,785	ESXE350E□□152MK40S
	1,500	18X20	0.059	0.15	1,580	1,425	ESXE350E□□152MM20S
	1,800	16X30	0.052	0.14	1,810	1,630	ESXE350E□□182ML30S
	1,800	18X25	0.050	0.13	1,830	1,650	ESXE350E□□182MM25S
	2,200	16X35	0.044	0.11	2,030	1,830	ESXE350E□□222ML35S
	2,200	18X30	0.044	0.11	2,030	1,830	ESXE350E□□222MM30S
	2,700	16X40	0.036	0.094	2,320	2,090	ESXE350E□□272ML40S
	2,700	18X35	0.039	0.10	2,240	2,020	ESXE350E□□272MM35S
	3,300	18X40	0.035	0.091	2,460	2,215	ESXE350E□□332MM40S
50	4.7	4X7	5.0	13.0	50	20	ESXE500E□□4R7MD07D
	8.2	5X7	3.1	8.1	75	38	ESXE500E□□8R2ME07D
	10	4X11.5	2.0	5.2	102	51	ESXE500E□□100MDB5D
	18	5X11.5	1.2	3.1	154	77	ESXE500E□□180MEB5D
	18	6.3X7	1.3	3.4	140	70	ESXE500E□□180MF07D
	27	5X15	0.84	2.2	210	105	ESXE500E□□270ME15D
	39	6.3X11.5	0.55	1.4	260	182	ESXE500E□□390MFB5D
	56	6.3X15	0.36	0.94	350	245	ESXE500E□□560MF15D
	68	8X12	0.31	0.81	400	280	ESXE500E□□680MH12D
	82	8X15	0.22	0.57	500	350	ESXE500E□□820MH15D
	82	10X12.5	0.25	0.65	510	360	ESXE500E□□820MJC5S
	100	10X15	0.20	0.52	635	445	ESXE500E□□101MJ15S
	120	8X20	0.17	0.44	650	455	ESXE500E□□121MH20D
	180	10X20	0.13	0.34	860	605	ESXE500E□□181MJ20S
	180	12.5X15	0.11	0.29	970	680	ESXE500E□□181MK15S
	220	10X25	0.11	0.29	1,030	725	ESXE500E□□221MJ25S
	330	10X30	0.086	0.22	1,150	805	ESXE500E□□331MJ30S
	330	12.5X20	0.081	0.22	1,120	785	ESXE500E□□331MK20S
	330	16X15	0.093	0.20	1,100	770	ESXE500E□□331ML15S
	470	12.5X25	0.068	0.19	1,320	1,060	ESXE500E□□471MK25S
	470	18X15	0.074	0.19	1,280	1,025	ESXE500E□□471MM15S
	560	12.5X30	0.059	0.16	1,540	1,235	ESXE500E□□561MK30S
	680	12.5X35	0.048	0.14	1,770	1,420	ESXE500E□□681MK35S
	680	16X20	0.069	0.15	1,370	1,100	ESXE500E□□681ML20S
	820	12.5X40	0.042	0.12	1,980	1,585	ESXE500E□□821MK40S
	820	16X25	0.060	0.13	1,570	1,260	ESXE500E□□821ML25S
	820	18X20	0.057	0.15	1,580	1,265	ESXE500E□□821MM20S
	1,000	16X30	0.050	0.13	1,810	1,450	ESXE500E□□102ML30S
	1,000	18X25	0.049	0.13	1,830	1,465	ESXE500E□□102MM25S
	1,200	16X35	0.043	0.11	2,030	1,830	ESXE500E□□122ML35S
	1,500	16X40	0.035	0.091	2,320	2,090	ESXE500E□□152ML40S
50	1,500	18X30	0.043	0.11	2,030	1,830	ESXE500E□□152MM30S
	1,800	18X35	0.038	0.099	2,240	2,020	ESXE500E□□182MM35S
	2,200	18X40	0.034	0.088	2,460	2,215	ESXE500E□□222MM40S
63	3.3	4X7	11.2	30.2	38	15	ESXE630E□□3R3MD07D
	5.6	5X7	5.1	13.8	61	31	ESXE630E□□5R6ME07D
	6.8	4X11.5	4.3	11.6	73	37	ESXE630E□□6R8MDB5D
	12	5X11.5	2.0	5.4	124	62	ESXE630E□□120MEB5D
	12	6.3X7	3.0	8.1	95	48	ESXE630E□□120MF07D
	18	5X15	1.4	3.8	170	85	ESXE630E□□180ME15D
	27	6.3X11.5	1.2	3.2	180	90	ESXE630E□□270MFB5D
	39	6.3X15	0.66	1.8	270	190	ESXE630E□□390MF15D
	47	8X12	0.56	1.5	305	215	ESXE630E□□470MH12D
	56	10X12.5	0.50	1.4	380	270	ESXE630E□□560MJC5S
	68	8X15	0.36	0.97	410	290	ESXE630E□□680MH15D
	68	10X15	0.35	0.95	500	350	ESXE630E□□680MJ15S
	82	8X20	0.22	0.57	605	425	ESXE630E□□820MH20D
	120	10X20	0.27	0.74	620	435	ESXE630E□□121MJ20S
	150	10X25	0.20	0.53	795	560	ESXE630E□□151MJ25S
	150	12.5X15	0.25	0.67	640	450	ESXE630E□□151MK15S
	180	10X30	0.16	0.42	955	670	ESXE630E□□181MJ30S
	220	12.5X20	0.16	0.42	890	625	ESXE630E□□221MK20S
	220	16X15	0.15	0.41	960	675	ESXE630E□□221ML15S
	270	12.5X25	0.14	0.38	1,040	730	ESXE630E□□271MK25S
	330	18X15	0.13	0.35	1,130	795	ESXE630E□□331MM15S
	390	12.5X30	0.11	0.29	1,270	1,020	ESXE630E□□391MK30S
	390	16X20	0.12	0.32	1,240	995	ESXE630E□□391ML20S
	470	12.5X35	0.091	0.25	1,450	1,160	ESXE630E□□471MK35S
	470	16X25	0.091	0.25	1,440	1,155	ESXE630E□□471ML25S
	560	12.5X40	0.080	0.22	1,610	1,290	ESXE630E□□561MK40S
	560	18X20	0.091	0.25	1,450	1,160	ESXE630E□□561MM20S
	680	16X30	0.065	0.18	1,790	1,435	ESXE630E□□681ML30S
	680	18X25	0.078	0.21	1,650	1,320	ESXE630E□□681MM25S
	820	16X35	0.056	0.15	2,000	1,600	ESXE630E□□821ML35S
	820	18X30	0.065	0.18	1,850	1,480	ESXE630E□□821MM30S
	1,000	16X40	0.049	0.13	2,200	1,780	ESXE630E□□102ML40S
	1,000	18X35	0.061	0.16	1,990	1,595	ESXE630E□□102MM35S
	1,200	18X40	0.046	0.12	2,370	2,135	ESXE630E□□122MM40S
80	2.2	4X7	11.0	29.7	38	15	ESXE800E□□2R2MD07D
	3.9	5X7	5.0	13.5	61	24	ESXE800E□□3R9ME07D
	4.7	4X11.5	4.2	11.3	73	29	ESXE800E□□4R7MDB5D
	8.2	5X11.5	1.9	5.2	124	62	ESXE800E□□8R2MEB5D
	8.2	6.3X7	2.9	7.8	95	48	ESXE800E□□8R2MF07D
	12	5X15	1.4	3.7	170	85	ESXE800E□□120ME15D
	18	6.3X11.5	1.1	3.0	180	90	ESXE800E□□180MFB5D
	27	6.3X15	0.64	1.7	270	135	ESXE800E□□270MF15D
	33	8X12	0.54	1.5	305	155	ESXE800E□□330MH12D
	39	10X12.5	0.49	1.3	380	270	ESXE800E□□390MJC5S
	47	8X15	0.36	0.97	410	290	ESXE800E□□470MH15D
	56	8X20	0.28	0.74	605	425	ESXE800E□□560MH20D
	56	10X15	0.34	0.90	500	350	ESXE800E□□560MJ15S
	82	10X20	0.26	0.71	620	435	ESXE800E□□820MJ20S
	100	10X25	0.19	0.51	795	560	ESXE800E□□101MJ25S
	100	12.5X15	0.24	0.64	640	450	ESXE800E□□101MK15S
	150	10X30	0.15	0.41	955	670	ESXE800E□□151MJ30S
	150	12.5X20	0.15	0.41	890	625	ESXE800E□□151MK20S
	180	12.5X25	0.14	0.37	1,040	730	ESXE800E□□181MK25S
	180	16X15	0.14	0.38	960	675	ESXE800E□□181ML15S
	220	18X15	0.13	0.34	1,130	795	ESXE800E□□221MM15S
	270	12.5X30	0.10	0.28	1,270	890	ESXE800E□□271MK30S
	270	16X20	0.11	0.31	1,240	870	ESXE800E□□271ML20S
	330	12.5X35	0.088	0.24	1,450	1,015	ESXE800E□□331MK35S
	330	16X25	0.088	0.24	1,440	1,010	ESXE800E□□331ML25S
	390	12.5X40	0.076	0.21	1,610	1,290	ESXE800E□□391MK40S
	390	18X20	0.088	0.24	1,450	1,160	ESXE800E□□391MM20S
	470	16X30	0.063	0.17	1,790	1,435	ESXE800E□□471ML30S
	470	18X25	0.075	0.20	1,650	1,320	ESXE800E□□471MM25S
	560	16X35	0.054	0.15	2,000	1,600	ESXE800E□□561ML35S

□□ : Lead forming / Taping code

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SXE Series

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L (mm)	Impedance (Ωmax/ 100kHz)		Rated ripple current (mArms/105℃)		Part No.
			20℃	-10℃	100kHz	120Hz	
80	680	16×40	0.048	0.13	2,200	1,780	ESXE800E□□681ML40S
	680	18×30	0.063	0.17	1,850	1,480	ESXE800E□□681MM30S
	820	18×35	0.06	0.16	1,990	1,595	ESXE800E□□821MM35S
	1,000	18×40	0.044	0.12	2,370	1,900	ESXE800E□□102MM40S
100	1.5	4×7	10.8	29.2	38	15	ESXE101E□□1R5MD07D
	2.7	5×7	4.9	13.2	61	24	ESXE101E□□2R7ME07D
	3.3	4×11.5	4.1	11.1	73	29	ESXE101E□□3R3MDB5D
	5.6	5×11.5	1.9	5.1	124	62	ESXE101E□□5R6MEB5D
	5.6	6.3×7	2.8	7.6	95	48	ESXE101E□□5R6MF07D
	8.2	5×15	1.3	3.6	170	85	ESXE101E□□8R2ME15D
	12	6.3×11.5	1.1	3.0	180	90	ESXE101E□□120MFB5D
	18	6.3×15	0.62	1.7	270	135	ESXE101E□□180MF15D
	22	8×12	0.53	1.4	305	155	ESXE101E□□220MH12D
	27	10×12.5	0.48	1.3	380	190	ESXE101E□□270MJC5S
	33	8×15	0.35	0.95	410	205	ESXE101E□□330MH15D
	33	10×15	0.33	0.89	500	250	ESXE101E□□330MJ15S
	39	8×20	0.27	0.73	605	425	ESXE101E□□390MH20D
	56	10×20	0.26	0.70	620	435	ESXE101E□□560MJ20S
	68	10×25	0.19	0.50	795	560	ESXE101E□□680MJ25S

WV (Vdc)	Cap (μF)	Case size φD×L (mm)	Impedance (Ωmax/ 100kHz)		Rated ripple current (mArms/105℃)		Part No.
			20℃	-10℃	100kHz	120Hz	
100	68	12.5×15	0.23	0.63	640	450	ESXE101E□□680MK15S
	100	10×30	0.15	0.40	955	670	ESXE101E□□101MJ30S
	100	12.5×20	0.15	0.40	890	625	ESXE101E□□101MK20S
	120	12.5×25	0.13	0.36	1,040	730	ESXE101E□□121MK25S
	120	16×15	0.14	0.38	960	675	ESXE101E□□121ML15S
	150	18×15	0.12	0.33	1,130	795	ESXE101E□□151MM15S
	180	12.5×30	0.10	0.27	1,270	890	ESXE101E□□181MK30S
	180	16×20	0.11	0.30	1,240	870	ESXE101E□□181ML20S
	220	12.5×35	0.087	0.23	1,450	1,015	ESXE101E□□221MK35S
	220	16×25	0.086	0.23	1,440	1,010	ESXE101E□□221ML25S
	270	12.5×40	0.074	0.20	1,610	1,130	ESXE101E□□271MK40S
	270	18×20	0.086	0.23	1,450	1,015	ESXE101E□□271MM20S
	330	16×30	0.062	0.17	1,790	1,255	ESXE101E□□331ML30S
	330	18×25	0.074	0.20	1,650	1,155	ESXE101E□□331MM25S
	390	16×35	0.059	0.16	1,990	1,595	ESXE101E□□391ML35S
	390	18×30	0.062	0.17	1,850	1,480	ESXE101E□□391MM30S
	470	16×40	0.047	0.13	2,200	1,780	ESXE101E□□471ML40S
	560	18×35	0.053	0.14	2,000	1,600	ESXE101E□□561MM35S
	680	18×40	0.043	0.12	2,370	1,900	ESXE101E□□681MM40S

□□ : Lead forming / Taping code

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Capacitance (μF) \ Frequency (Hz)	50	120	300	1k	10k	100k
1.5 to 4.7	0.30	0.40	0.50	0.70	0.80	1.00
5.6 to 33	0.40	0.50	0.60	0.80	0.90	1.00
39 to 330	0.60	0.70	0.80	0.90	0.95	1.00
390 to 1,000	0.65	0.80	0.90	0.98	1.00	1.00
1,200	0.80	0.90	0.95	0.98	1.00	1.00

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Mouser Electronics

Authorized Distributor

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Chemi-Con:

SXE100VB221M16X25LL SXE35VB471M10X30LL ESXE6R3ETD222MK20S SXE50VB27RM5X15LL SXE100VB271M18X20LL ESXE6R3ELL561MH15D ESXE630ELL331MM13S ESXE250ELL221MH15D SXE50VB121M8X20FT SXE100VB101M12X20LL ESXE101ELL471ML40S ESXE250ETD122MM13S SXE100VB33RM8X15LL ESXE100ELL222MK23S SXE80VB33RM8X12LL SXE80VB471M18X25LL ESXE350ELL221MH20D SXE80VB391M12X40LL ESXE101ELL121ML13S ESXE800ELL560MJ13S SXE80VB56RM10X15LL SXE35VB681M12X25LL SXE80VB471M16X30LL SXE63VB561M12X40LL SXE100VB22RM8X12LL SXE25VB821M12X20LL ESXE800ELL820MJ20S SXE10VB222M12X25LL ESXE101ETD180MF15D ESXE800ELL330MH12D SXE25VB221M8X15LL SXE100VB681M18X40LL ESXE101ELL331MM23S ESXE6R3ELL121MF07D ESXE101ELL330MH15D ESXE500ETC121MH20D SXE100VB5R6M5X11FTX ESXE6R3ELL562ML23S SXE25VB821M10X30LL ESXE250ELL821MJ30S ESXE160ELL102MJ30S SXE100VB5R6M6X7FTX SXE80VB82RM10X20LL SXE6.3VB562M16X25LL SXE100VB22RM8X12FT SXE63VB331M18X15LL SXE50VB681M16X20LL ESXE250ELL821MK20S SXE35VB101M8X12FT ESXE800ELL271MK30S SXE80VB101M12X15LL ESXE800ELL471ML30S ESXE350ETC101MH12D ESXE101ELL271MM20S SXE100VB121M16X15LL ESXE500ELL681ML20S ESXE350ELL681MK23S SXE16VB331M8X15LL ESXE350ELL121MJC3S ESXE101ELL220MH12D SXE100VB18RM6X15FTX ESXE800ELL391MK40S ESXE500ELL331MJ30S SXE100VB68RM12X15LL ESXE630ELL561MK40S ESXE101ELL680MK13S SXE25VB122M18X15FT SXE100VB471M16X40LL ESXE101ELL101MK20S ESXE800ELL681MM30S ESXE101ELL271MK40S SXE6.3VB562M18X20LL SXE50VB471M12X25FT ESXE101ELL270MJC3S SXE6.3VB222M12X20FT SXE80VB151M12X20LL ESXE800ETD8R2MF07D SXE35VB221M8X20LL ESXE350ELL151MH15D ESXE6R3ELL562MM20S ESXE250ELL122MM13S SXE35VB151M8X15LL SXE100VB271M12X40LL SXE25VB122M18X15LL ESXE100ELL471MH15D ESXE101ETC220MH12D SXE100VB331M18X25LL ESXE500ELL222MM40S