

# Replacement list for “Not recommended for new design”

\* If you are using any of the following models on the deleted list, please substitute them with the suggested alternative model as soon as possible.

Non-recommended part number						Replacement part number						
Series	Cate-gory temp. range max. (°C)	Rated voltage (V)	Capaci-tance (µF)	ESR (mΩ)	Part number	Series	Size code	Cate-gory temp. range max. (°C)	Rated voltage (V)	Capaci-tance (µF)	ESR (mΩ)	Part number
CS	105	10	47	40	EEFCS1A470R	POSCAP TQC	D12	105	16	33	40	<a href="#">16TQC33MYFS</a>
						POSCAP TPG	B1G	85	10	47	70	<a href="#">10TPG47M</a>
						OS-CON SVP	C6	105	10	47	50	<a href="#">10SVP47M</a>
						Hybrid ZA	D	105	25	47	50	<a href="#">EEHZA1E470P</a>
	105	16	15	40	EEFCS1C150R	POSCAP TQC	D12	105	16	33	40	<a href="#">16TQC33MYFS</a>
						OS-CON SVP	B6	105	16	22	90	<a href="#">16SVP22M</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	16	22	40	EEFCS1C220R	POSCAP TQC	D12	105	16	33	40	<a href="#">16TQC33MYFS</a>
						OS-CON SVP	B6	105	16	22	90	<a href="#">16SVP22M</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	16	33	40	EEFCS1C330R	POSCAP TQC	D12	105	16	33	40	<a href="#">16TQC33MYFS</a>
						OS-CON SVPC	B6	105	16	39	27	<a href="#">16SVP39MV</a>
						Hybrid ZA	C	105	25	33	80	<a href="#">EEHZA1E330R</a>
	105	20	10	40	EEFCS1D100R	POSCAP TQC	D15	105	20	47	55	<a href="#">20TQC47MYFT</a>
						OS-CON SVPA	B6	105	20	10	40	<a href="#">20SVPA10M</a>
						Hybrid ZA	C	105	35	10	100	<a href="#">EEHZA1V100R</a>
	105	20	15	40	EEFCS1D150R	POSCAP TQC	D15	105	20	47	55	<a href="#">20TQC47MYFT</a>
						OS-CON SVPB	C5	105	20	15	45	<a href="#">20SVPB15M</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	20	22	40	EEFCS1D220R	POSCAP TQC	D15	105	20	47	55	<a href="#">20TQC47MYFT</a>
						OS-CON SVPA	C6	105	20	22	35	<a href="#">20SVPA22M</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	25	10	40	EEFCS1E100R	POSCAP TQC	D15	105	25	22	70	<a href="#">25TQC22MYFT</a>
						POSCAP TQC	D2	105	25	15	45	<a href="#">25TQC15MV</a>
OS-CON SVPD						C6	125	25	10	65	<a href="#">25SVPD10M</a>	
Hybrid ZA						C	105	35	10	100	<a href="#">EEHZA1V100R</a>	
105	25	15	40	EEFCS1E150R	POSCAP TQC	D15	105	25	22	70	<a href="#">25TQC22MYFT</a>	
					POSCAP TQC	D2	105	25	15	45	<a href="#">25TQC15MV</a>	
					OS-CON SVPG	B45	105	25	15	30	<a href="#">25SVPG15M</a>	
					Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>	
105	35	10	40	EEFCS1V100R	POSCAP TQC	D2	105	35	10	120	<a href="#">35TQC10MYF</a>	
					OS-CON SVPK	B6	125	35	22	35	<a href="#">35SVPK22M</a>	
					Hybrid ZA	C	105	35	10	100	<a href="#">EEHZA1V100R</a>	
CT	105	10	68	40	EEFCT1A680R	POSCAP TQC	D15	105	16	47	55	<a href="#">16TQC47MYFT</a>
						POSCAP TPE	D2E	105	10	68	25	<a href="#">10TPE68M</a>
						OS-CON SVPC	B6	105	10	68	30	<a href="#">10SVP68M</a>
						Hybrid ZA	D8	105	25	68	30	<a href="#">EEHZA1E680XP</a>
						Hybrid ZA	D8	105	35	68	35	<a href="#">EEHZA1V680XP</a>
	105	16	47	40	EEFCT1C470R	POSCAP TQC	D15	105	16	47	55	<a href="#">16TQC47MYFT</a>
						OS-CON SVPG	B45	105	16	47	25	<a href="#">16SVPG47M</a>
						Hybrid ZA	D	105	25	47	50	<a href="#">EEHZA1E470P</a>
	105	20	33	40	EEFCT1D330R	POSCAP TQC	D15	105	20	47	55	<a href="#">20TQC47MYFT</a>
						OS-CON SVPG	B45	105	20	33	27	<a href="#">20SVPG33M</a>
						Hybrid ZA	C	105	25	33	80	<a href="#">EEHZA1E330R</a>
	105	20	47	40	EEFCT1D470R	POSCAP TQC	D15	105	20	47	55	<a href="#">20TQC47MYFT</a>
						OS-CON SVPF	C6	105	25	47	30	<a href="#">25SVPF47M</a>
						Hybrid ZA	D	105	25	47	50	<a href="#">EEHZA1E470P</a>
	105	25	22	40	EEFCT1E220R	POSCAP TQC	D15	105	25	22	70	<a href="#">25TQC22MYFT</a>
						POSCAP TQC	D2	105	25	22	45	<a href="#">25TQC22MV</a>
						OS-CON SVPF	B6	105	25	27	40	<a href="#">25SVPF27MX</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	35	15	40	EEFCT1V150R	POSCAP TQC	D2	105	35	15	150	<a href="#">35TQC15MYF</a>
						OS-CON SVPK	B6	125	35	22	35	<a href="#">35SVPK22M</a>
						Hybrid ZA	C	105	35	22	100	<a href="#">EEHZA1V220R</a>

## Replacement list for “Not recommended for new design”

\* If you are using any of the following models on the deleted list, please substitute them with the suggested alternative model as soon as possible.

Non-recommended part number					Replacement part number							
Series	Cate-gory temp. range max. (°C)	Rated voltage (V)	Capaci-tance (μF)	ESR (mΩ)	Part number	Series	Size code	Cate-gory temp. range max. (°C)	Rated voltage (V)	Capaci-tance (μF)	ESR (mΩ)	Part number
CX	105	10	100	40	EEFCX1A101R	POSCAP TPC	D2	105	10	100	45	<a href="#">10TPC100M</a>
						OS-CON SVPC	C6	105	10	120	22	<a href="#">10SVPC120MV</a>
						Hybrid ZA	D8	105	25	100	30	<a href="#">EEHZA1E101XP</a>
	105	10	47	40	EEFCX1A470R	POSCAP TPE	D2E	105	10	68	25	<a href="#">10TPE68M</a>
						POSCAP TPE	B2	85	10	47	35	<a href="#">10TPE47MAZB</a>
						OS-CON SVP	C6	105	10	47	50	<a href="#">10SVP47M</a>
						Hybrid ZA	D	105	25	47	50	<a href="#">EEHZA1E470P</a>
	105	10	68	40	EEFCX1A680R	POSCAP TPE	D2E	105	10	68	25	<a href="#">10TPE68M</a>
						POSCAP TQC	D2	105	16	68	50	<a href="#">16TQC68MYF</a>
						OS-CON SVPC	B6	105	10	68	23	<a href="#">10SVPC68MV</a>
						Hybrid ZA	D8	105	25	68	30	<a href="#">EEHZA1E680XP</a>
	105	10	68	40	EEFCX1A680R	Hybrid ZA	D8	105	35	68	35	<a href="#">EEHZA1V680XP</a>
						Hybrid ZA	D8	105	35	68	35	<a href="#">EEHZA1V680XP</a>
	105	16	15	40	EEFCX1C150R	POSCAP TQC	D2	105	16	47	40	<a href="#">16TQC47MW</a>
						POSCAP TQC	B2	105	16	15	90	<a href="#">16TQC15M</a>
						OS-CON SVP	B6	105	16	22	90	<a href="#">16SVP22M</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	16	22	40	EEFCX1C220R	POSCAP TQC	D2	105	16	47	40	<a href="#">16TQC47MW</a>
						POSCAP TQC	B2	105	16	22	90	<a href="#">16TQC22MYFB</a>
						OS-CON SVP	B6	105	16	22	90	<a href="#">16SVP22M</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	16	33	40	EEFCX1C330R	POSCAP TQC	D2	105	16	47	40	<a href="#">16TQC47MW</a>
						POSCAP TQC	B2	105	16	33	90	<a href="#">16TQC33MYFB</a>
						OS-CON SVPC	B6	105	16	39	27	<a href="#">16SVPC39MV</a>
						Hybrid ZA	C	105	25	33	80	<a href="#">EEHZA1E330R</a>
	105	16	47	40	EEFCX1C470R	POSCAP TQC	D2	105	16	47	40	<a href="#">16TQC47MW</a>
						OS-CON SVPG	B45	105	16	47	25	<a href="#">16SVPG47M</a>
						Hybrid ZA	D	105	25	47	50	<a href="#">EEHZA1E470P</a>
	105	16	68	40	EEFCX1C680R	POSCAP TQC	D2	105	16	68	50	<a href="#">16TQC68MYF</a>
						POSCAP TQC	D2	105	16	100	50	<a href="#">16TQC100MYF</a>
						OS-CON SVPC	C6	105	16	68	25	<a href="#">16SVPC68MV</a>
						Hybrid ZA	D8	105	25	68	30	<a href="#">EEHZA1E680XP</a>
	105	16	68	40	EEFCX1C680R	Hybrid ZA	D8	105	35	68	35	<a href="#">EEHZA1V680XP</a>
						Hybrid ZA	D8	105	35	68	35	<a href="#">EEHZA1V680XP</a>
	105	20	22	40	EEFCX1D220R	POSCAP TQC	D2	105	20	33	60	<a href="#">20TQC33MYFD</a>
						POSCAP TQC	B2	105	20	22	90	<a href="#">20TQC22MYFB</a>
						OS-CON SVPA	C6	105	20	22	35	<a href="#">20SVPA22M</a>
						Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>
	105	20	33	40	EEFCX1D330R	POSCAP TQC	D2	105	20	33	60	<a href="#">20TQC33MYFD</a>
						POSCAP TQC	D2	105	20	47	55	<a href="#">20TQC47MYF</a>
						OS-CON SVPG	B45	105	20	33	27	<a href="#">20SVPG33M</a>
						Hybrid ZA	C	105	25	33	80	<a href="#">EEHZA1E330R</a>
	105	20	47	40	EEFCX1D470R	POSCAP TQC	D15	105	20	47	55	<a href="#">20TQC47MYFT</a>
						OS-CON SVPF	C6	105	25	47	30	<a href="#">25SVPF47M</a>
						Hybrid ZA	D	105	25	47	50	<a href="#">EEHZA1E470P</a>
	105	20	56	40	EEFCX1D560R	POSCAP TQC	D2	105	20	100	100	<a href="#">20TQC100MD2</a>
						OS-CON SVPF	B6	105	20	56	30	<a href="#">20SVPF56MX</a>
						Hybrid ZA	C	105	25	56	50	<a href="#">EEHZA1E560P</a>
105	25	15	40	EEFCX1E150R	POSCAP TQC	D2	105	25	15	45	<a href="#">25TQC15MV</a>	
					POSCAP TQC	B2	105	25	15	100	<a href="#">25TQC15MYFB</a>	
					OS-CON SVPF	B45	105	25	15	30	<a href="#">25SVPG15M</a>	
					Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>	
105	25	22	40	EEFCX1E220R	POSCAP TQC	D2	105	25	22	45	<a href="#">25TQC22MV</a>	
					OS-CON SVPF	B6	105	25	27	40	<a href="#">25SVPF27MX</a>	
					Hybrid ZA	C	105	25	22	80	<a href="#">EEHZA1E220R</a>	
105	25	33	40	EEFCX1E330R	POSCAP TQC	D2	105	25	33	60	<a href="#">25TQC33MYF</a>	
					OS-CON SVPK	B6	125	25	33	35	<a href="#">25SVPK33M</a>	
					Hybrid ZA	C	105	25	33	80	<a href="#">EEHZA1E330R</a>	
105	35	15	40	EEFCX1V150R	POSCAP TQC	D2	105	35	15	150	<a href="#">35TQC15MYF</a>	
					OS-CON SVPK	B6	125	35	22	35	<a href="#">35SVPK22M</a>	
					Hybrid ZA	C	105	35	22	100	<a href="#">EEHZA1V220R</a>	
105	35	22	40	EEFCX1V220R	POSCAP TQC	D2	105	35	15	150	<a href="#">35TQC15MYF</a>	
					OS-CON SVPK	B6	125	35	22	35	<a href="#">35SVPK22M</a>	
					Hybrid ZA	C	105	35	22	100	<a href="#">EEHZA1V220R</a>	

# Replacement list for “Not recommended for new design”

\* If you are using any of the following models on the deleted list, please substitute them with the suggested alternative model as soon as possible.

Non-recommended part number					Replacement part number							
Series	Cate-gory temp. range max. (°C)	Rated voltage (V)	Capaci-tance (µF)	ESR (mΩ)	Part number	Series	Size code	Cate-gory temp. range max. (°C)	Rated voltage (V)	Capaci-tance (µF)	ESR (mΩ)	Part number
HX	125	10	47	40	EEFHX1A470R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						POSCAP THC	D2	105	10	68	45	<a href="#">10THC68M</a>
						OS-CON SVPD	C6	125	10	56	45	<a href="#">10SVPD56M</a>
						Hybrid ZC	D	125	25	47	50	<a href="#">EEHXC1E470P</a>
	125	10	68	40	EEFHX1A680R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						POSCAP THC	D2	105	10	68	45	<a href="#">10THC68M</a>
						OS-CON SVPK	B6	125	20	68	30	<a href="#">20SVPK68M</a>
						Hybrid ZC	D8	125	25	68	30	<a href="#">EEHXC1E680XP</a>
	125	10	100	40	EEFHX1A101R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						POSCAP TCF	D3L	105	10	150	15	<a href="#">10TCF150ML</a>
						OS-CON SVPK	B6	125	16	100	27	<a href="#">16SVPK100M</a>
						Hybrid ZC	D8	125	25	100	30	<a href="#">EEHXC1E101XP</a>
	125	16	15	40	EEFHX1C150R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						POSCAP TDC	B2	125	16	33	90	<a href="#">16TDC33MYFB</a>
						Hybrid ZC	C	125	25	22	80	<a href="#">EEHXC1E220R</a>
	125	16	22	40	EEFHX1C220R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						POSCAP TDC	B2	125	16	33	90	<a href="#">16TDC33MYFB</a>
						OS-CON SVPK	B6	125	35	22	35	<a href="#">35SVPK22M</a>
						Hybrid ZC	C	125	25	22	80	<a href="#">EEHXC1E220R</a>
	125	16	33	40	EEFHX1C330R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						POSCAP TDC	B2	125	16	33	90	<a href="#">16TDC33MYFB</a>
						OS-CON SVPK	B6	125	25	33	35	<a href="#">25SVPK33M</a>
						Hybrid ZC	C	125	25	33	80	<a href="#">EEHXC1E330R</a>
	125	16	47	40	EEFHX1C470R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						OS-CON SVPK	C6	125	35	47	27	<a href="#">35SVPK47M</a>
						Hybrid ZC	D	125	25	47	50	<a href="#">EEHXC1E470P</a>
	125	16	68	40	EEFHX1C680R	POSCAP TDC	D2	125	16	100	50	<a href="#">16TDC100MYF</a>
						OS-CON SVF	B6	125	16	82	27	<a href="#">16SVF82M</a>
						Hybrid ZC	D8	125	25	68	30	<a href="#">EEHXC1E680XP</a>
	125	20	22	40	EEFHX1D220R	POSCAP TDC	B2	125	20	22	90	<a href="#">20TDC22MYFB</a>
						OS-CON SVPK	B6	125	35	22	35	<a href="#">35SVPK22M</a>
						Hybrid ZC	C	125	25	22	80	<a href="#">EEHXC1E220R</a>
	125	20	33	40	EEFHX1D330R	OS-CON SVPK	B6	125	25	33	35	<a href="#">25SVPK33M</a>
						Hybrid ZC	C	125	25	33	80	<a href="#">EEHXC1E330R</a>
	125	20	47	40	EEFHX1D470R	OS-CON SVPK	C6	125	35	47	27	<a href="#">35SVPK47M</a>
						Hybrid ZC	D	125	25	47	50	<a href="#">EEHXC1E470P</a>
	125	20	56	40	EEFHX1D560R	OS-CON SVF	B6	125	20	56	30	<a href="#">20SVF56M</a>
						Hybrid ZC	D	125	25	56	50	<a href="#">EEHXC1E560P</a>
	125	25	15	40	EEFHX1E150R	POSCAP TDC	D3L	125	25	68	70	<a href="#">25TDC68MYF</a>
						POSCAP TDC	B2	125	25	15	100	<a href="#">25TDC15MYFB</a>
						OS-CON SPF	B6	125	25	27	40	<a href="#">25SVF27M</a>
						Hybrid ZC	C	125	25	22	80	<a href="#">EEHXC1E220R</a>
	125	25	22	40	EEFHX1E220R	POSCAP TDC	D3L	125	25	68	70	<a href="#">25TDC68MYF</a>
						OS-CON SVF	B6	125	25	27	40	<a href="#">25SVF27M</a>
						Hybrid ZC	C	125	25	22	80	<a href="#">EEHXC1E220R</a>
	125	25	33	40	EEFHX1E330R	POSCAP TDC	D3L	125	25	68	70	<a href="#">25TDC68MYF</a>
						OS-CON SVPK	B6	125	25	33	35	<a href="#">25SVPK33M</a>
						Hybrid ZC	C	125	25	33	80	<a href="#">EEHXC1E330R</a>