










Nr.		voltage	Uf	Manufacturer	Size diametre / height in mm		In circuit	electrolytic	polymer	
1	12pcs	6.3	1000	Rubycon	8 x 13 mm		Rubycon YXG Low impedance 3000 hrs 8 X 16 mm Ripple 840 ESR 0.087	105C Low impedance 9000 hrs 8 × 16 mm Ripple 1250 ESR 0.059 2346433 <a href="http://lt.farnell.com/rubycon/6-3zlj1000m8x16/cap-alu-elec-1000uf-6-3v-rad/dp/2346433">http://lt.farnell.com/rubycon/6-3zlj1000m8x16/cap-alu-elec-1000uf-6-3v-rad/dp/2346433</a>	WCAP-PT5H Series 105C Low Impedance 5000 hrs 10 x 12.5mm Ripple 6640 ESR 0.007 2466586 <a href="http://lt.farnell.com/wurth-elektronik/870235175006/cap-alu-polymer-1000uf-6-3v-radial/dp/2466586">http://lt.farnell.com/wurth-elektronik/870235175006/cap-alu-polymer-1000uf-6-3v-radial/dp/2466586</a>	WCAP-PT5H Series 105C Low impedance 5000 hrs 8 x 8 mm Ripple 6100 ESR 0.007 2466582 <a href="http://lt.farnell.com/wurth-elektronik/870235174002/cap-alu-polymer-470uf-6-3v-radial/dp/2466582">http://lt.farnell.com/wurth-elektronik/870235174002/cap-alu-polymer-470uf-6-3v-radial/dp/2466582</a>
2	6pcs	16	100		6.4 x 10 mm		Rubycon ML 105C 5000 hrs 6.3×7 mm Ripple 95 Not Low ESR	Rubycon ML 105C 5000 hrs 6.3×7 mm Ripple 95 Not Low ESR 8126240 <a href="http://lt.farnell.com/rubycon/16ml100mefc6-3x7/cap-alu-elec-100uf-16v-rad/dp/8126240">http://lt.farnell.com/rubycon/16ml100mefc6-3x7/cap-alu-elec-100uf-16v-rad/dp/8126240</a>	WCAP-PT5H Series 105C 5000hrs 6.3 x 11mm Ripple 4700 ESR 0.012 2466590 <a href="http://lt.farnell.com/wurth-elektronik/870235373001/cap-alu-polymer-100uf-16v-radial/dp/2466590">http://lt.farnell.com/wurth-elektronik/870235373001/cap-alu-polymer-100uf-16v-radial/dp/2466590</a>	
3	16pcs	2.5	820		8 x 13 mm		Solid Capacitor 2.5v 680uF FUJITSU	KEMET A755KS827M0EAAE014 105C 5000hrs 8 x 12 mm Ripple 4800 ESR 0.014 2614033 <a href="http://lt.farnell.com/kemet/a755ks827m0eaae014/cap-alu-polymer-820uf-2-5v-radial/dp/2614033">http://lt.farnell.com/kemet/a755ks827m0eaae014/cap-alu-polymer-820uf-2-5v-radial/dp/2614033</a>	Panasonic Solid Capacitor, OS-CON, SEPC Series 105C 5000 hrs 8 × 9 mm Ripple 7200 ESR 0.005 2354628 <a href="http://lt.farnell.com/panasonic-electronic-components/2sepc820my/cap-alu-elec-820uf-2-5v-rad/dp/2354628">http://lt.farnell.com/panasonic-electronic-components/2sepc820my/cap-alu-elec-820uf-2-5v-rad/dp/2354628</a>	
8	8pcs	16	330		10 x 14 mm		Solid Capacitor 16v 330uF FUJITSU	WCAP-PT5H Series 105C 5000hrs 8 x 11.5mm Ripple 5600 ESR 0.009 <a href="http://lt.farnell.com/wurth-elektronik/870235374006/cap-alu-polymer-330uf-16v-radial/dp/2466595?ost=polymer+capacitor&amp;categoryId=700000005426&amp;searchView=table&amp;iscrfnonsku=false">http://lt.farnell.com/wurth-elektronik/870235374006/cap-alu-polymer-330uf-16v-radial/dp/2466595?ost=polymer+capacitor&amp;categoryId=700000005426&amp;searchView=table&amp;iscrfnonsku=false</a>		
27	6pcs	6.3	1500	KZG Nippon Chemi-con	8 x 18 mm		105C Ultra Low Impedance 2,000 hours at 105C 10 x12.5mm 1,540 ripple ESR 0.026 KZG6.3VB152M10X12LL	105C Low Impedance 2000 hrs 10 × 12.5mm 1,540 ripple ESR 0.025 2113080RL <a href="http://lt.farnell.com/nichicon/uhm0j152m-pd1td/cap-alu-elec-1500uf-6-3v-rad/dp/2113080RL">http://lt.farnell.com/nichicon/uhm0j152m-pd1td/cap-alu-elec-1500uf-6-3v-rad/dp/2113080RL</a>  105C Low Impedance 9000 hrs 8 x 20mm Riple 1560 ESR 0.030 1800608 <a href="http://lt.farnell.com/panasonic-electronic-components/eeufr0j152l/cap-alu-elec-1500uf-6-3v-rad/dp/1800608">http://lt.farnell.com/panasonic-electronic-components/eeufr0j152l/cap-alu-elec-1500uf-6-3v-rad/dp/1800608</a>	105C Low impedance 5000hrs 10 x 12.5 mm Ripple 6640 ESR 0.007 2466588 <a href="http://lt.farnell.com/wurth-elektronik/870235175008/cap-alu-polymer-1500uf-6-3v-radial/dp/2466588">http://lt.farnell.com/wurth-elektronik/870235175008/cap-alu-polymer-1500uf-6-3v-radial/dp/2466588</a>	105C Low impedance 5000hrs 8 x 8 mm Ripple 6100 ESR 0.007 2466583 <a href="http://lt.farnell.com/wurth-elektronik/870235174003/cap-alu-polymer-560uf-6-3v-radial/dp/2466583">http://lt.farnell.com/wurth-elektronik/870235174003/cap-alu-polymer-560uf-6-3v-radial/dp/2466583</a>
29	9pcs	6.3	470	Rubycon YXG	6.5 x 11 mm		105C Low Impedance 3000 Hrs 6.3mm x 11 mm 340 Ripple ESR 0.22 10YXG470MEFC6.3X11	105C Low Impedance 6000 hrs Rubycon ZLJ 6.3×11 mm Ripple 540 ESR 0.17 2346431 <a href="http://lt.farnell.com/rubycon/6-3zlj470m6-3x11/cap-alu-elec-470uf-6-3v-rad/dp/2346431">http://lt.farnell.com/rubycon/6-3zlj470m6-3x11/cap-alu-elec-470uf-6-3v-rad/dp/2346431</a>		105C Low ESR Polymer 5000 hrs 8 x 8 mm Ripple 6100 ESR 0.007 2466582 <a href="http://lt.farnell.com/wurth-elektronik/870235174002/cap-alu-polymer-470uf-6-3v-radial/dp/2466582">http://lt.farnell.com/wurth-elektronik/870235174002/cap-alu-polymer-470uf-6-3v-radial/dp/2466582</a>

41	2pcs	16	1200	KZE Nippon Chemi-con	10 x 20 mm		105C Ultra Low impedance for Personal Computers Storage Equipmen 1,000 to 5,000 hours at 105^ 10*12.5mm 1,030 ripple ESR 0.053 EKZE160E""471MJC5S	105C Low Impedance 5000hrs 10 x 20 mm Riple 2880 ESR 0.028 1831284 http://lt.farnell.com/rubycon/16zlk1200m10x20/cap-alu-elec-1200uf-16v-rad/dp/1831284	105C Low ESR Polymer 5000 hrs 10 x 12.5 mm Ripple 6100 ESR 0.009 2466597 http://lt.farnell.com/wurth-elektronik/870235375008/cap-alu-polymer-470uf-16v-radial/dp/2466597	105C Low ESR Polymer 5000 hrs 10 x 12 mm Ripple 5250 ESR 0.013 2614047 http://lt.farnell.com/kemet/a755ms477m1caae013/cap-alu-polymer-470uf-16v-radial/dp/2614047
43	1pcs	16	470	Rubycon MBZ	8 x 12 mm		105C Ultra Low ESR 2000hrs 8X11.5mm 1140 ripple / mA r.m.s./105°C, 100kHz 0.036 ESR / mΩMAX/20°C, 100kHz	105C Low ESR 9000 hrs Rubycon ZLJ 8 x 11.5mm 1200 ripple ESR 0.075 2346449 http://lt.farnell.com/rubycon/16zlj470mta8x11-5/cap-alu-elec-470uf-16v-rad/dp/2346449	105C Low ESR Polymer 5000 hrs WURTH WCAP-PT5H Series 10 x 12.5 mm Ripple 6100 ESR 0.009 2466597 http://lt.farnell.com/wurth-elektronik/870235375008/cap-alu-polymer-470uf-16v-radial/dp/2466597	105C Low ESR Polymer 5000 hrs PANASONIC SEPC 10 x 13 mm Ripple 6100 ESR 0.010 2354610 http://lt.farnell.com/panasonic-electronic-components/16sepc470m/cap-alu-elec-470uf-16v-rad/dp/2354610
48	4pcs	16	100	Lelon RGA	5 x 12 mm		105C 5 x 11mm 2000 hrs Ripple 110 / mA/rms at 120 Hz, 105°C Not Low ESR RGA101M1CBK-0611G http://eu.mouser.com/ProductDetail/Lelon/RGA101M1CBK-0611G/?qs=sGAEpiMZZMvwFf0viD3Y3ZPeeWspSkPKr070d8aLrwc%3d	105C 5 x 11mm 6000 hrs Rubycon 16ZLH100MEFC5X11 Ripple 345 ESR 0.22 8126283 <a href="http://lt.farnell.com/rubycon/16zlh100mefc5x11/cap-alu-elec-100uf-16v-rad/dp/8126283">http://lt.farnell.com/rubycon/16zlh100mefc5x11/cap-alu-elec-100uf-16v-rad/dp/8126283</a>		

Kzg, kzj bad chemi con low esr caps

KZG can be replaced with either HN/MCZ/GC or HM/MBZ/HM. Rubycon mcz  
KZJ must be replaced with Nichicon HN, Rubycon MCZ, or Samxon GC

When replacing low ESR electrolytic capacitor with polymer capacitor, generally capacitance of replacement should be about 3 times less. As ESR and ripple current rating is what matters in such uses, not capacitance.