

Kingtronics® International Company

ISO 9001:2015
Manufacturer Since 1990

ALUMINUM ELECTROLYTIC CAPACITOR



APPLICATIONS

AUTOMOTIVE POWER
INDUSTRIAL LED LIGHTING
TELECOM INFRASTRUCTURE.



Kt Website



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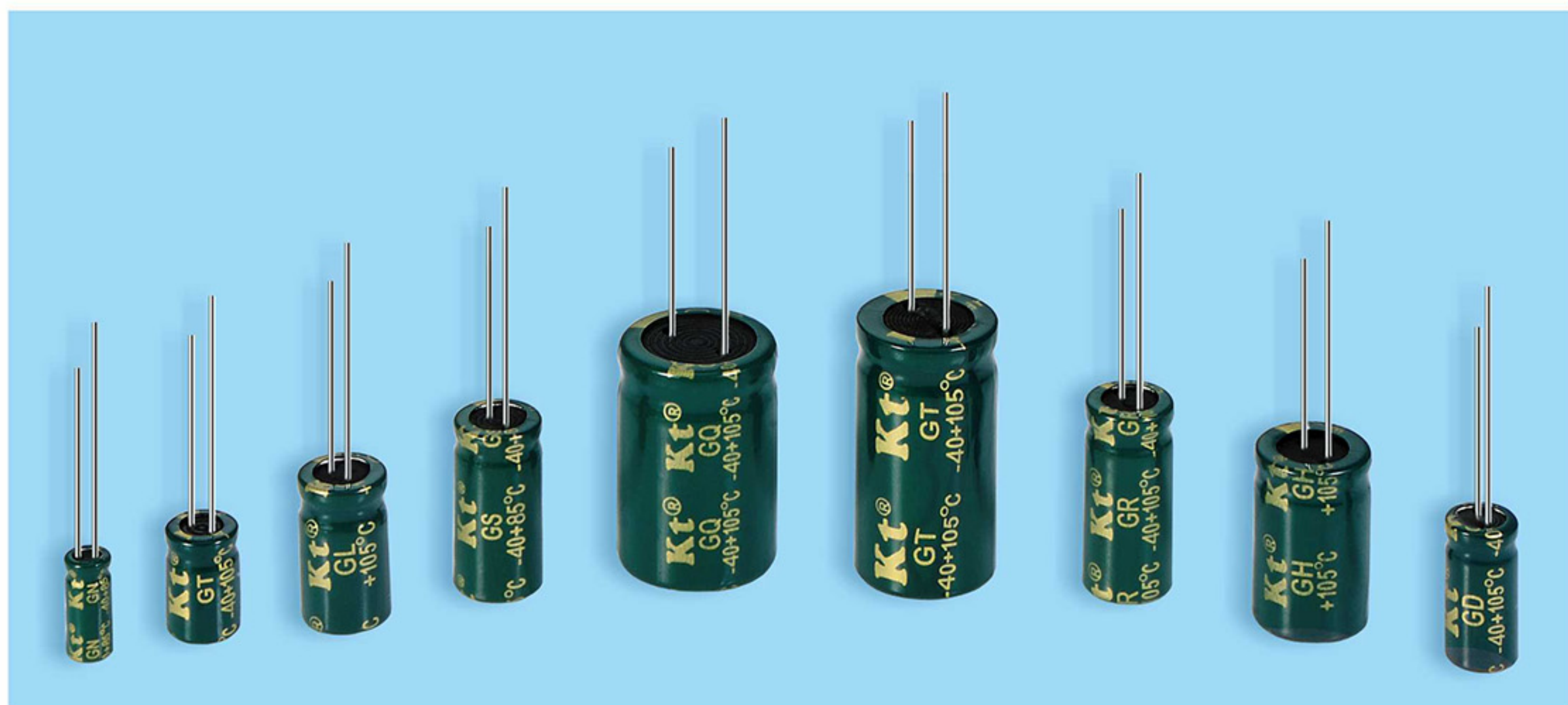
Kt® Aluminum Electrolytic Capacitors and Method for Application Guidelines

Aluminum electrolytic capacitors(condenser) are made of two aluminum foils and a paper soaked in electrolyte. DC leakage current is one of the key characteristics to consider when selecting a capacitor. Kingtronics 'capacitors offer excellent ripple current carrying capability coupled with extended life for high energy and power applications.






Kingtronics Aluminum electrolytic capacitors are divided into non-solid aluminum electrolytic capacitors and solid polymer aluminum electrolytic capacitors. We can offer Aluminum electrolytic capacitors with different characteristics like bi- polar type, Radial Type, surface mount type, Snap-in, Lug and Screw Type and Axial Type...

Kt® Aluminum Electrolytic Capacitors - Radial Type


| Kingtronics Series | Load Life | Characteristic |
|--------------------|---------------------|----------------------------------------------------------------------------------------|
| GKT-GS | 2000H, 85°C | Super Miniaturized / -40°C~+85°C / 0.1uF-15000uF / 6.3V~450V |
| GKT-GT | 2000H, 105°C | High Temperature / -40°C~+105°C; -25°C~+105°C / 0.1uF-22000uF / 6.3V - 100V;160V- 450V |
| GKT-GH | 2000H, 105°C | Low Impedance / -40°C~+105°C; -25°C~+105°C / 0.47uF - 15000uF / 6.3V - 100V |
| GKT-GL | 5000H, 105°C | Long Life / -40°C~+105°C / 0.47uF - 15000uF / 6.3V - 100V |
| GKT-GD | 3000H-6000H, 105°C | Miniaturized, long life / -40°C~+105°C; -25°C~+105°C / 1uF-150uF / 160V - 500V |
| GKT-GE | 5000H, 130°C | Long Life / -40°C~+130°C; -25°C~+130°C / 1uF-220uF / 163V~450V |
| GKT-GF | 5000H, 105°C | Miniaturized, High Stability / -40°C~+105°C / 10uF-150uF / 200V~400V |
| GKT-GQ | 4000H-10000H, 105°C | Long Life, Miniature / -40°C~+105°C / 1uF-15000uF / 6.3V~100V |
| GKT-GR | 3000H-6000H, 105°C | Long Life, High Frequency / -40°C~+105°C / 6.8uF-18000uF / 6.3V~100V |
| GKT-GU | 3000H, 105°C | Long Life, Miniature / -40°C~+105°C; -25°C~+105°C / 0.1uF-22000uF / 6.3V~450V |
| GKT-GZ | 6000H-10000H, 105°C | Extremely long life / -40°C~+105°C / 22uF - 10000uF / 6.3V - 50V |
| GKT-GN | 1000H, 105°C | Non-Polarized / -40°C~+105°C / 0.47uF-4700uF / 10V~160V |
| GKT-GW | 2000H, 105°C | Extra Lower Impedance / -40°C~+105°C / 0.47uF - 10000uF / 6.3V - 50V |




Kt® Aluminum Electrolytic Capacitors - SMD Type

| Kingtronics Series | Load Life | Characteristic | |
|------------------------------------------------------------------------------------|-----------|--------------------|--------------------------------------------------------------------|
|  | GKT-VA | 2000H, 85°C | Standard / -40°C~+85°C / 1uF - 10000uF / 4V-100V |
| | GKT-VT | 1000H-2000H, 105°C | Standard / -40°C~+105°C / 1uF - 10000uF / 4V-100V |
|  | GKT-VC | 2000H, 105°C | Low Leakage Current / -40°C~+105°C / 1uF - 220uF / 6.3V - 50V |
| | GKT-VE | 2000H-3000H, 105°C | Long Life / -55°C~+105°C / 0.1uF - 1500uF / 6.3V - 50V |
| | GKT-VK | 2000H-3000H, 105°C | Extra Lower Impedance / -55°C~+105°C / 4.7uF - 4700uF / 6.3V - 50V |
|  | GKT-VL | 3000H-5000H, 105°C | Extra Long Life / -55°C~+105°C / 1uF - 2200uF / 6.3V-100V |
| | GKT-VN | 2000H, 105°C | Bi-polar / -55°C~+105°C / 1uF - 100uF / 6.3V-50V |
| | GKT-VZ | 1000H-2000H, 105°C | Low Impedance / -55°C~+105°C / 1uF - 4700uF / 6.3V-100V |
| | GKT-VU | 3000H, 105°C | Long Life / -40°C~+105°C / 1uF - 22uF / 160V - 450V |
|  | GKT-VD | 5000H, 105°C | Long Life / -40°C~+105°C / 1uF - 22uF / 400V |
| | GKT-VW | 10000H, 105°C | Long Life / -40°C~+105°C / 1uF - 1000uF / 6.3V - 450V |
| | GKT-VH | 1000H-2000H, 125°C | Long Life / -40°C~+125°C / 10uF - 680uF / 10V-63V |
| | GKT-VF | 2000H-5000H, 105°C | Super Low Impedance / -55°C~+105°C / 1uF - 2200uF / 6.3V - 100V |
|  | GKT-VR | 2000H-3000H, 105°C | Small Size / -55°C~+105°C / 10uF - 2200uF / 6.3V - 50V |
| | GKT-VX | 2000H, 105°C | Small Size / -55°C~+105°C / 10uF - 2200uF / 6.3V - 50V |
| | GKT-VY | 2000H, 105°C | Small Size / -55°C~+105°C / 33uF - 1500uF / 6.3V - 50V |
| | GKT-VJ | 2000H, 105°C | Small Size / -40°C~+105°C / 220uF / 10-16V |

Kt® Polymer Aluminum Solid Electrolytic Capacitors

| Kingtronics Series | Load Life | Characteristic | |
|-------------------------------------------------------------------------------------|-----------|----------------|-------------------------------------------------|
|  | GKT-AS | 2000H, 105°C | Radial Type, Standard Series. / 2.5V-25V |
| | GKT-AR | 2000H, 105°C | Radial Type, Super Low ESR. / 2.5V-25V |
| | GKT-AP | 2000H, 105°C | SMD type, Low ESR. / 2.5-100V |
| | GKT-AU | 2000H, 125°C | Radial Type, High Ripple Current. / 35-160V |
| | GKT-AX | 2000H, 125°C | Radial Type, High Temperature. / 2.5-25V |
| | GKT-AJ | 3000H, 105°C | Radial Type, Super Low ESR. / 2.5-25V |
| | GKT-AW | 3000H, 105°C | Radial Type, Low ESR. / 2.5-25V |
| | GKT-AK | 5000H, 105°C | Radial Type, Long Life. / 2.5-25V |
| | GKT-AY | 5000H, 105°C | Radial Type, High Voltage, Long Life. / 35-160V |
| | GKT-AH | 5000H, 105°C | SMD type, Miniaturized. / 2.5-100V |

Kt® Aluminum Electrolytic Capacitors - Axial Type

| Kingtronics Series | Load Life | Characteristic | |
|------------------------------------------------------------------------------------|-----------|----------------|--------------------------------------------------------------------|
|  | GKT-AL | 2000H, 85°C | Low Leakage Current / -40°C~+85°C / 1uF - 10000uF / 6.3V - 450V |
| | GKT-AV | 2000H, 85°C | Standard / -40°C~+85°C / 1uF - 10000uF / 6.3V - 450V |
| | GKT-AT | 1000H, 105°C | Standard / -40°C~+105°C / 1uF - 4700uF / 6.3V - 450V |
| | GKT-AA | 1000H, 105°C | Audio, DF at Max 4% BP / -40°C~+105°C / 1uF - 120uF / 50V, 100V |
| | GKT-AM | 1000H, 105°C | Audio, DF at Max 5% BP / -40°C~+105°C / 1uF - 150uF / 50V, 100V |
| | GKT-AN | 1000H, 105°C | Audio, DF at Max 10% BP / -40°C~+105°C / 1uF - 470uF / 50V, 100V |
| | GKT-AQ | 1000H, 105°C | Audio, DF at Max 10% BP / -40°C~+105°C / 47uF - 1000uF / 50V, 100V |
| | GKT-AB | 2000H, 105°C | Non-Polarized. / -40°C~+105°C / 1uF - 220uF / 50V, 100V |
| | GKT-AC | 2000H, 105°C | Bi-Polarized. / -40°C~+105°C / 1uF - 470uF / 50V, 100V |
| | GKT-AD | 1000H, 105°C | Audio, Standard. / -40°C~+105°C / 1uF - 220uF / 50V, 100V |

Kt® Aluminum Electrolytic Capacitors --- Snap-in, Lug and Screw Type

| Kingtronics Series | Load Life | Characteristic |
|--------------------|--------------|--------------------------------------------------------------------------------------------------|
| GKT-SB | 1000H, 85°C | Snap-in, High Ripple Current 10V~100V : -40°C~+85°C ; 160V~450V: -25°C~+85°C / 68uF-22000uF |
| GKT-SS | 2000H, 85°C | Snap-in, High Ripple Current 10V~100V : -40°C~+85°C ; 160V~450V: -25°C~+85°C / 68uF-22000uF |
| GKT-ST | 2000H, 105°C | Snap-in, High Ripple Current 10V~100V : -40°C~+105°C ; 160V~400V: -25°C~+105°C / 39uF-22000uF |
| GKT-SC | 5000H, 85°C | Snap-in, High Ripple Current 10V~100V: -40°C~+85°C; 160V~450V: -25°C~+85°C / 68uF - 22000uF |
| GKT-SD | 3000H, 105°C | Snap-in, High Ripple Current 10V~100V : -40°C~+105°C ; 160V~400V: -25°C~+105°C / 39uF-22000uF |
| GKT-CA | 2000H, 85°C | Screw, High Ripple Current / -40°C~+85°C / 270uF - 820000uF / 10V- 450V |
| GKT-CB | 2000H, 105°C | Screw, High Ripple Current / -40°C~+105°C / 180uF - 680000uF / 10V - 400V |
| GKT-UA | 1000H, 85°C | Lug, Standard Product / -25°C~+85°C / 33uF-68000uF / 16V-450V |



Kt® Aluminum Electrolytic Capacitors Application

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|---------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------|---------------|----------------------|-----------------|
| Industrial Inverters | DC to DC Converters | Servo Drives | Ac/DC Adapter | Inverter Stabilizers | Energy Meters |
| Shutter Driver | Optical Shutter | M2M Systems | Engine Board | Marine Electronics | Welding Machine |
| Motherboards | Monitors | Communications | Computers | Electronic Ballasts | Motors |
| Power Supplies, AC-DC Power Supplies, Switch-Mode Power, Supply/Charger, Uninterruptible Power Systems. | | | | | |
| Audio Amplifier, Radios, Microphones. | | Home Appliances, Such as Televisions, Inverter air Conditioners. | | | |
| New energy sources such as photovoltaic power generation, wind power generation. | | | | | |
| LED, Lighting, Lighting Drivers. | | GNSS/GSM/Bluetooth Tracker/GPS tracker, Glonass Repeater, Timing Receiver. | | | |