

# BT2000 Product News

## EMBEDDED

VoIP, Ethernet, Asics  
ASSPs, Mixed Signal  
ICs

## SENSORS

Accelerometers,  
Gyroscopes, Magnetics

## RF & MICROWAVE

Attenuators, Power  
AMPS Antennas, GPS  
Modules

## POWER MANAGEMENT

Battery Charge ICs,  
Hot Swap Controllers,  
Power Supply Trackers,  
Lighting Drivers &  
LED Power Managers

## WIRELESS

Telematic Platforms,  
GSM GPRS & 3G  
Modems, 3G Routers,  
3G Dongles,  
Gateways,  
Tracking Units  
WiMAX Modems  
Controllers



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Web site www.bt2000.co.uk

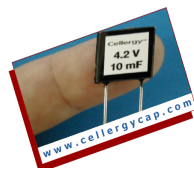
BT2000 is appointed UK  
Distributor for Cellergy



NEW  
250mF  
launched

## INNOVATIVE SUPER/ULTRA CAPACITORS TO IMPROVE POWER PERFORMANCE

BT2000 have increased their power management product portfolio with the addition of Israeli based Cellergy



The comprehensive range starting in sizes as small as 12mm x 12.5mm offers :

Voltages from 1.4v to 12v

Capacitance 7mF ~ 700mF

Temp range -40c ~ +70c

Endurance Life 1000hrs @70c

The Cellergy technology offers very low ESR enabling major power improvements for

Battery Life Extension

Power Backup

Hot Swap

Pulse Management GPRS, PCMCIA etc

LED Flash & Solenoids

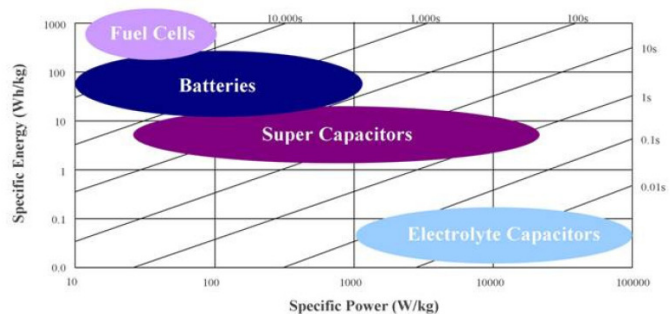
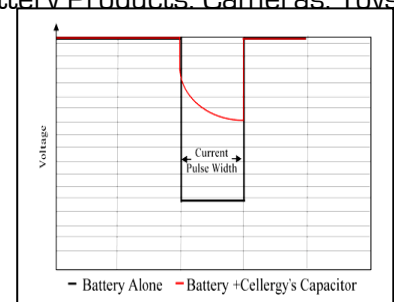
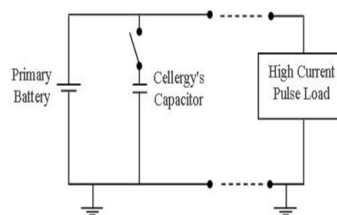
RFID Tags

Motor Drives & SSDs

USB powered Audio



Typical Markets AMR, Portable PCs/PDAs, Notebooks, GPS products, Medical Products, Battery Products, Cameras, Toys, Audio and Security

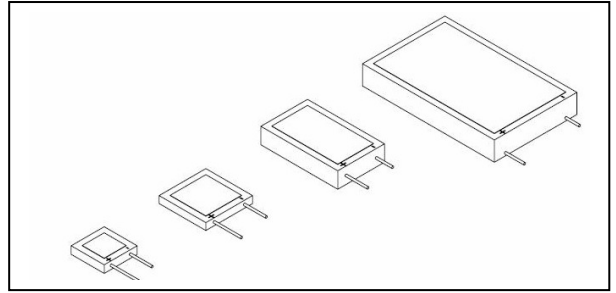


These Environmentally friendly EDLCs from Cellergy are competitively priced and do not require cell balancing.

Call the sales office for further information 01189 324600



Part No	Volt	ESR	Cap mF	L.C.(ua)	Length	Width	Height
<b>12 x 12.5 mm</b>							
CLG03P012L12	3.5	600	12	3	12	12.5	2.4
CLG04P010L12	4.2	720	10	3	12	12.5	2.6
CLG05P008L12	5.5	1000	8	3	12	12.5	3.1
CLG06P007L12	6.3	1200	7	3	12	12.5	3.4
CLG03P025L12	3.5	300	25	6	12	12.5	3.4
CLG04P020L12	4.2	360	20	6	12	12.5	3.9
CLG05P016L12	5.5	500	16	6	12	12	4.8
CLG06P012L12	6.3	600	12	6	12	12.5	5.3
CLX04P007L12 prel	4.2	300	7	12	12	12.5	2.9
CLG01P030L12 prel	1.4	240	30	3	12	12.5	1.7
CLG01P060L12 prel	1.4	120	60	6	12	12.5	2
CLK01P080L12 prel	1.4	240	80	3	12	12.5	1.7
CLK01P160L12 prel	1.4	120	160	6	12	12.5	2
CLC03P012L12 prel	3.5	1000	12	1	12	12.5	2.4
CLC04P010L12 prel	4.2	1200	10	1	12	12.5	2.6
<b>17 x 17 mm</b>							
CLG02P040L17	2.1	180	40	6	17	17.5	11
CLG03P025L17	3.5	300	25	6	17	17.5	11
CLG04P020L17	4.2	360	20	6	17	17.5	11
CLG05P015L17	5.5	560	15	6	17	17.5	11
CLG02P080L17	2.1	90	80	12	17	17.5	2.5
CLG03P050L17	3.5	150	50	12	17	17.5	3.4
CLG04P040L17	4.2	180	40	12	17	17.5	3.9
CLG05P030L17	5.5	280	30	12	17	17.5	4.8
CLG01P60L17	1.4	120	60	6	17	17.5	1.7
CLG01P120L17	1.4	60	120	12	17	17.5	2
<b>28 x 17 mm</b>							
CLG03P060L28	3.5	130	60	10	28	17.5	2.4
CLG04P050L28	4.2	150	50	10	28	17.5	2.6
CLG05P040L28	5.5	200	40	10	28	17.5	3.1
CLG06P035L28	6.3	230	35	10	28	17.5	3.4
CLG12P015L28	12	445	15	10	28	17.5	5.4
CLG03P120L28	3.5	65	120	20	28	17.5	3.4
CLG04P100L28	4.2	75	100	20	28	17.5	3.9
CLG05P080L28	5.5	100	80	20	28	17.5	4.8
CLG06P070L28	6.3	115	70	20	28	17.5	5.4
CLP04P040L28 prel	4.2	150	40	12	28	17.5	2
CLG01P150L28 prel	1.4	50	150	10	28	17.5	1.7
CLG01P300L28 prel	1.4	25	300	20	28	17.5	2
<b>48 x 30 mm</b>							
CLG02P700L48	2.1	11	700	65	48	30.5	2.5
CLG03P420L48	3.5	20	420	65	48	30.5	3.4
CLG04P350L48	4.2	25	350	65	48	30.5	3.9
CLG05P280L48	5.5	30	280	65	48	30.5	4.8
CLG06P245L48	6.3	35	245	65	48	30.5	5.3
CLG09P165L48	9	50	165	65	48	30.5	7.2
CLG12P120L48	12	70	120	65	48	30.5	9.2



**NEWS**  
Through hole  
technologies are  
Wave-solderable

### Electrical Ratings

CLG Ratings	Nominal	Minimum	Maximum
Capacitance Tolerance		-20%	+80%
Operating Temp	25 °C	-40 °C	+70 °C
Storage Temp	25 °C	-10 °C	+35 °C
Surge Voltage			+/-15%
Pulse Current			No limit