

FEATURES

- Unique slim profile design
- 10KOhm Thermistor, Panasonic PN ERT-J1VG103FA or equivalent
- Passive linear voltage balanced cells
- Molex 87439-0400 connector
- Fast charge time
- Maintenance-free backup
- Green solution vs. batteries
- UL-recognized cells
- RoHS compliant



APPLICATIONS

- Automatic meter readers
- Automotive subsystems
- Backup power for safe shutdown requirements
- Battery-powered tools and handheld electronic devices
- Data deduplication
- Networking last gasp
- Medical devices
- Motor peak-power shaving
- RAID storage
- Servers
- SSD
- Solar-charged devices
- Wireless transmission

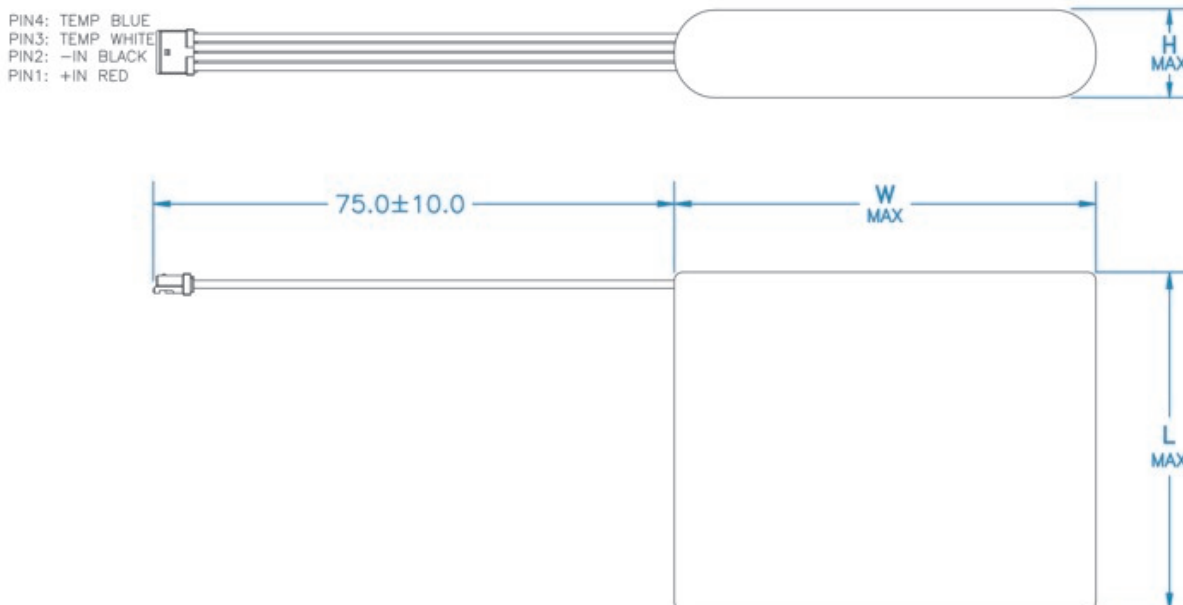
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GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +70°C
Capacitance range	0.5F to 11.25F
Rated voltage range	8.1 VDC to 32.4 VDC
Temperature characteristics	Capacitance change: Within $\pm 5\%$ of initial measured value at +25°C (-40°C to +65°C) Internal resistance: Within $\pm 50\%$ of initial measured value at +25°C (at -40°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: Within $\pm 30\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Projected Load life (At rated voltage & 25°C)	After 10 years: Capacitance change: Within $\pm 30\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Projected cycle life (From rated voltage to 1/2 rated voltage at 25°C)	After 500,000 cycles: Capacitance change: Within $\pm 30\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Shelf life	After 4 years at 25°C without load, the capacitor shall meet the specified endurance limits.

DIMENSIONS

UNITS = mm



STANDARD PRODUCTS

Part Number	Nom. Cap. (F)	GMV (F)*	Voltage (VDC)	ESR DC (mΩ)	ESR AC (mΩ)	Leakage Current (mA) (72 hrs @ 25C)	Dimensions (mm)			Rated Current (A)	Weight/Unit (grams)
							L	W	H		
PBLS-3.33/8.1	3.33	3	8.1	315	240	0.33	36	32	11	6.59	12.34
PBLS-2.5/10.8	2.5	2.25	10.8	400	300	0.33	36	43	11	6.75	16.01
PBLS-11.25/10.8	11.25	10.13	10.8	156	144	1.52	53	53	14	22.8	38.56
PBLS-2.0/13.5	2	1.8	13.5	485	360	0.33	36	53	11	6.85	19.64
PBLS-5.6/13.5	5.6	5.04	13.5	250	185	1.41	46	66	14	15.75	39.19
PBLS-9.0/13.5	9	8.1	13.5	170	165	1.52	53	66	14	24.01	48.08
PBLS-1.66/16.2	1.66	1.49	16.2	570	420	0.33	36	64	11	6.92	23.41
PBLS-4.66/16.2	4.66	4.19	16.2	288	210	1.41	46	79	14	16.31	46.63
PBLS-7.5/16.2	7.5	6.75	16.2	204	186	1.52	53	79	14	24.9	57.15
PBLS-1.25/21.6	1.25	1.13	21.6	740	540	0.33	36	43	22	7.01	30.71
PBLS-3.5/21.6	3.5	3.15	21.6	364	260	1.41	46	53	27	16.62	61.55
PBLS-5.62/21.6	5.62	5.06	21.6	252	228	1.52	53	53	27	26.1	73.94
PBLS-0.5/27	0.5	0.45	27	1660	960	0.32	26	53	22	3.69	26.17
PBLS-1.0/27	1	0.9	27	910	660	0.33	37	54	22	7.07	38.15

Part Number	Nom. Cap. (F)	GMV (F)*	Voltage (VDC)	ESR DC (mΩ)	ESR AC (mΩ)	Leakage Current (mA) (72 hrs @ 25C)	Dimensions (mm)			Rated Current (A)	Weight/Unit (grams)
							L	W	H		
PBLS-3.4/27	3.4	3.06	27	360	260	1.42	52	66	27	20.64	98.88
PBLS-4.5/27	4.5	4.05	27	300	270	1.52	53	66	27	26.88	94.35
PBLS-0.83/32.4	0.83	0.75	32.4	1080	780	0.03	36	64	22	7.2	45.13
PBLS-1.83/32.4	1.83	1.65	32.4	600	420	1.41	42	79	27	14.14	81.65
PBLS-2.33/32.4	2.33	2.1	32.4	516	360	1.41	46	79	27	17.15	91.63
PBLS-2.83/32.4	2.83	2.55	32.4	420	300	1.42	52	79	27	20.96	118.39
PBLS-3.33/32.4	3.33	3	32.4	408	288	1.43	53	79	27	24.55	104.78
PBLS-3.75/32.4	3.75	3.38	32.4	348	312	1.52	53	79	27	27.43	112.94

*NOTE: GMV = Guaranteed Minimum Value.