

**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

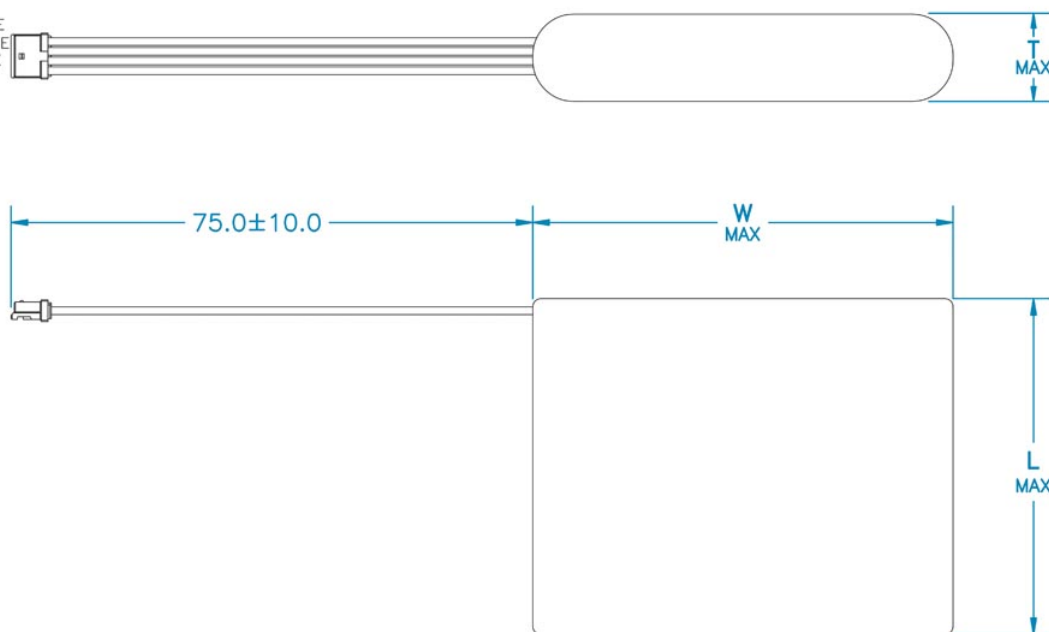
**GENERAL SPECIFICATIONS**

Item	Performance
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +70°C
Capacitance range	0.41F to 15F
Rated voltage range	8.1 VDC to 32.4 VDC
Temperature characteristics	Capacitance change: Within ±5% of initial measured value at +25°C(-40°C to +65°C) Internal resistance: Within ±50% of initial measured value at +25°C(at -40°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: Within ±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 ±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 ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
Shelf life	After 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.

**DIMENSIONS**

UNITS = mm

PIN4: TEMP BLUE  
 PIN3: TEMP WHITE  
 PIN2: -IN BLACK  
 PIN1: +IN RED



**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	T		
PBL5-3.33/8.1	3.33	3	8.1	315	240	0.33	32	36	11	6.59	12.34
PBL5-7.33/8.1	7.33	6.6	8.1	195	150	1.41	40	42	14	12.22	21.5
PBL5-9.33/8.1	9.33	8.4	8.1	174	135	1.41	40	46	14	14.41	23.9
PBL5-11.33/8.1	11.33	10.2	8.1	150	120	1.42	40	52	14	17	36.74
PBL5-13.33/8.1	13.33	12	8.1	147	117	1.43	40	52	14	19.29	27.22
PBL5-15/8.1	15	13.5	8.1	132	123	1.52	40	53	14	21.02	29.26
PBL5-2.5/10.8	2.5	2.25	10.8	400	300	0.33	43	36	11	6.75	16.01
PBL5-5.5/10.8	5.5	4.95	10.8	240	180	1.41	53	42	14	12.8	28.26
PBL5-7.0/10.8	7	6.3	10.8	212	160	1.41	53	46	14	15.22	31.43
PBL5-8.5/10.8	8.5	7.65	10.8	180	140	1.42	53	52	14	18.14	40.37
PBL5-10/10.8	10	9	10.8	176	136	1.43	53	52	14	20.77	34.02
PBL5-11.25/10.8	11.25	10.13	10.8	156	144	1.52	53	53	14	22.8	38.56
PBL5-2.0/13.5	2	1.8	13.5	485	360	0.33	53	36	11	6.85	19.64
PBL5-4.4/13.5	4.4	3.96	13.5	285	210	1.41	66	42	14	13.18	35.2
PBL5-5.6/13.5	5.6	5.04	13.5	250	185	1.41	66	46	14	15.75	39.19
PBL5-6.8/13.5	6.8	6.12	13.5	210	160	1.42	66	52	14	18.9	50.35
PBL5-8.0/13.5	8	7.2	13.5	180	155	1.43	66	52	14	21.77	44.68

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	T		
PBLS-9.0/13.5	9	8.1	13.5	170	165	1.52	66	53	14	24.01	48.08
PBLS-1.66/16.2	1.66	1.49	16.2	570	420	0.33	64	36	11	6.92	23.41
PBLS-3.66/16.2	3.66	3.29	16.2	330	240	1.41	79	42	14	13.44	41.82
PBLS-4.66/16.2	4.66	4.19	16.2	288	210	1.41	79	46	14	16.31	46.63
PBLS-5.66/16.2	5.66	5.09	16.2	240	180	1.42	79	52	14	19.45	59.87
PBLS-6.66/16.2	6.66	5.99	16.2	234	174	1.43	79	52	14	22.5	65.32
PBLS-7.5/16.2	7.5	6.75	16.2	204	186	1.52	79	53	14	24.9	57.15
PBLS-0.62/21.6	0.62	0.56	21.6	1340	780	0.32	43	26	22	3.67	21.09
PBLS-1.25/21.6	1.25	1.13	21.6	740	540	0.33	43	36	22	7.01	30.71
PBLS-2.75/21.6	2.75	2.48	21.6	420	300	1.41	53	42	27	13.78	54.89
PBLS-3.5/21.6	3.5	3.15	21.6	364	260	1.41	53	46	27	16.62	61.55
PBLS-4.25/21.6	4.25	3.83	21.6	300	220	1.42	53	52	27	20.18	79.38
PBLS-5.0/21.6	5	4.5	21.6	292	212	1.43	53	52	27	23.48	70.31
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	53	26	22	3.69	26.17
PBLS-1.0/27	1	0.9	27	910	660	0.33	54	37	22	7.07	38.15
PBLS-2.2/27	2.2	1.98	27	510	360	1.41	66	42	27	14	68.63
PBLS-2.8/27	2.8	2.52	27	440	310	1.41	66	46	27	16.94	76.61
PBLS-3.4/27	3.4	3.06	27	360	260	1.42	66	52	27	20.64	98.88
PBLS-4.0/27	4	3.6	27	350	250	1.43	66	52	27	24.11	87.54
PBLS-4.5/27	4.5	4.05	27	300	270	1.52	66	53	27	26.88	94.35
PBLS-0.41/32.4	0.41	0.37	32.4	1980	1140	0.32	64	26	22	3.7	30.75
PBLS-0.83/32.4	0.83	0.75	32.4	1080	780	0.33	64	36	22	7.11	45.13
PBLS-1.83/32.4	1.83	1.65	32.4	600	420	1.41	79	42	27	14.14	81.65
PBLS-2.33/32.4	2.33	2.1	32.4	516	360	1.41	79	46	27	17.15	91.63
PBLS-2.83/32.4	2.83	2.55	32.4	420	300	1.42	79	52	27	20.96	118.39
PBLS-3.33/32.4	3.33	3	32.4	408	288	1.43	79	52	27	24.55	104.78
PBLS-3.75/32.4	3.75	3.38	32.4	348	312	1.52	79	53	27	27.43	112.94

\*NOTE: GMV = Guaranteed Minimum Value.