



## FEATURES

- Replacement for Maxwell BPAK0058 and BMOD0058 series
- Maxwell BOOSTCAP® cells with active balancing
- 16.2V working voltage
- Rugged, fully enclosed system
- Screw terminals
- Module-to-module cable included
- RoHS compliant

## APPLICATIONS

- Automotive subsystems
- Heavy duty vehicle subsystems
- Windmill pitch control systems
- Wireless transmission

## PART NUMBERING

Type	Capacitance (F)	Module Voltage	Enclosure Type
PBD	58	16.2	K (Heatshrink)
PBD	58	16.2	M (Aluminum)

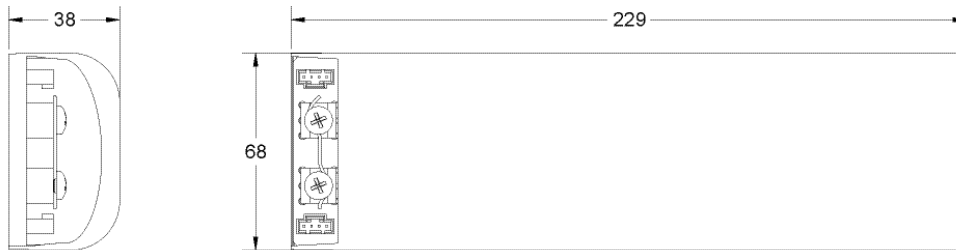


## SPECIFICATIONS

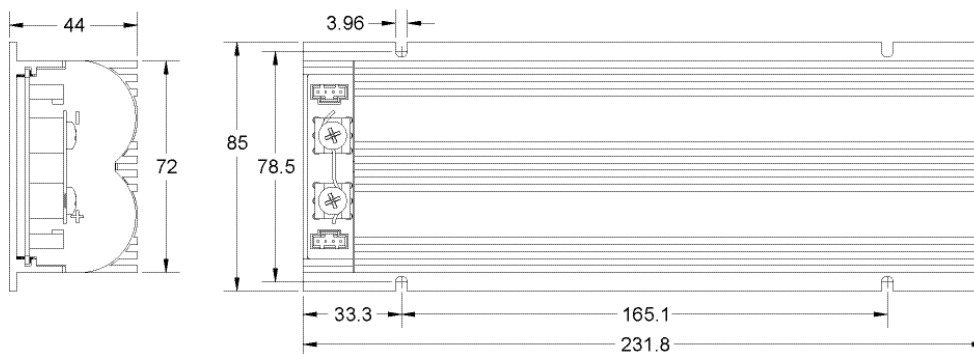
Item	Performance	
Operating Temperature Range	-40°C to +65°C	
Storage Temperature Range	-40°C to +70°C	
Rated Voltage	16.2V DC	
Capacitance Tolerance	+20%/ -0%	
Temperature Characteristics	Capacitance Change	Within 5% of initial measured value at 25°C
	Internal Resistance	Within 150% of initial measured value at 25°C
Endurance	After 1000 hours application of rated voltage at 65°C	
	Capacitance Change	Within 20% of initial specified value
	Internal Resistance	Within 25% of initial specified value
Life Test	After 10 years at rated voltage and 25°C	
	Capacitance Change	Within 20% of initial specified value
	Internal Resistance	Within 100% of initial specified value
Cycle Test	Capacitors cycled between specified voltage and half rated voltage under constant current at 25°C (500,000 cycles)	
	Capacitance Change	Within 20% of initial specified value
	Internal Resistance	Within 100% of initial specified value



**PBD-58/16.2K**



**PBD-58/16.2M**



**PRODUCT SPECIFICATIONS**

Part Number	Capacitance (F)	ESR, DC (m ohm max)	ESR, 1KHz (m ohm)	Ic (mA)
PBD-58/16.2K	58	28.0	18.0	1.00
PBD-58/16.2M	58	28.0	18.0	1.00

**PRODUCT PROPERTIES**

Part Number	Rth (C/W)	Isc (A)	E <sub>max</sub> (Wh/kg)	P <sub>max</sub> (W/kg)	Pd (W/kg)
PBD-58/16.2K	1.80	1,500	4.12	10,600	2,730
PBD-58/16.2M	1.80	1,500	2.24	5,800	1,490

**PRODUCT DIMENSIONS**

Part Number	Size (mm)			Weight (grams)
	L	W	H	
PBD-58/16.2K	229	68	38	514
PBD-58/16.2M	233	85	44	943