

FEATURES

- Replacement for Maxwell BPAK0058 and BMOD0058 series
- Maxwell BOOSTCAP

APPLICATIONS

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



GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +70°C
Capacitance	58F
Rated voltage	16.2 VDC
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: Within 20% of initial specified value Internal resistance: Within 25% of initial specified value
Projected Load life (At rated voltage & 25°C)	After 10 years: Capacitance change: Within 20% of initial specified value Internal resistance: Within 100% 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 20% of initial specified value Internal resistance: Within 100% of initial specified value
Shelf life	After 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.

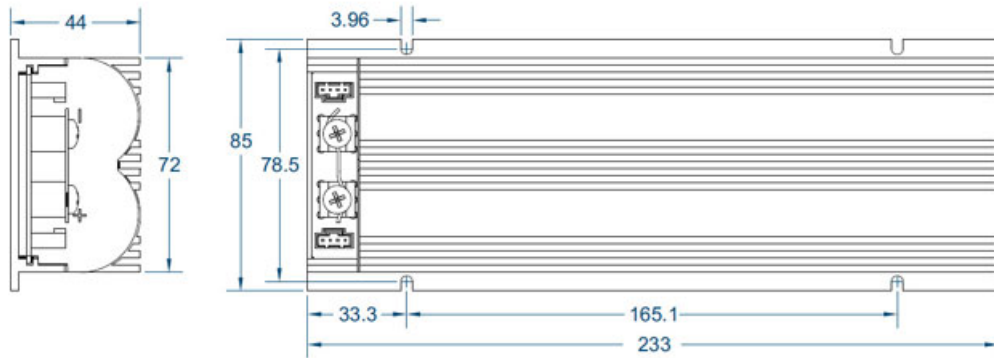
DIMENSIONS

Units = mm

PBD-58/16.2K (Shrink wrap cover)



PBD-58/16.2M (Aluminum casing)



STANDARD PRODUCTS

Part Number	Nom. Cap. (F)	GMV (F)*	ESR DC (mΩ)	ESR AC (mΩ) (1 KHz)	Leakage Current (mA) (72 hrs @ 25C)	Dimensions (mm)			Emax (Wh/kg)	Pmax (W/kg)	Pd (W/kg)	Weight/Unit (grams)
						L	W	H				
PBD-58/16.2K	58	58	28	18	1	229	68	38	4.12	10600	2730	514
PBD-58/16.2M	58	58	28	18	1	233	85	44	2.24	5800	1490	943

*NOTE: GMV = Guaranteed Minimum Value.