

ACTIVELY BALANCED MODULE WITH PRISMATIC/HERMETIC ULTRACAPACITOR CELLS

FEATURES

- Replaces Maxwell PC5-5
- Over 500,000 duty cycles
- 10-year life capability
- Hermetically sealed, stainless steel construction
- Linear voltage balanced cells
- Higher energy vs. electrolytic
- Higher power vs. batteries

APPLICATIONS

- Automatic meter readers
- Automotive subsystems
- Backup power for soft shutdown requirements
- Digital cameras and other consumer electronics
- Wireless transmissions

GENERAL SPECIFICATIONS

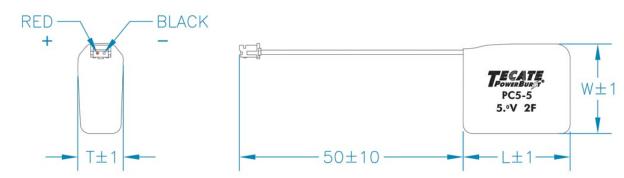
THE CATE

TYPE PC5-5

Item	Performance				
Operating temperature	-40°C to +65°C				
Storage temperature	-40°C to +85°C				
Capacitance	2F				
Capacitance tolerance	±20%				
Rated voltage	5 VDC				
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: Within ±20% of initial measured value Internal resistance: Within ±40% of initial specified value				
Projected Load life (At rated voltage & 25°C)	After 10 years: Capacitance change: Within ±20% of initial measured 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 ±20% of initial measured value Internal resistance: Within 2 times of initial specified value				



DIMENSIONS



STANDARD PRODUCTS

Part Number	Nom. Cap. (F) ESR DC (mΩ)	ESR AC (m Ω)	Leakage Current (mA)	Dimensions (mm)			Weight/Unit (grams)	
			(1 KHz)	(72 hrs @ 25C)	L	w	Т	weight/offic (grains)
PC5-5	2	1000	725	0.02	24	18	11	8