

KEY FEATURES

FEATURES AND BENEFITS:

- Wide operating temperature -40°C to 85°C
- Long lifetime
- Sealed ceramic package
- Surface mount design
- Pick-and-place compatible
- RoHS compliant
- Pb-free reflow compliant
- 10x higher energy density than tantalum capacitors

APPLICATIONS:

- Power loss protection
- Solid state drives
- Wireless sensors
- Energy harvesting
- Pulsed power

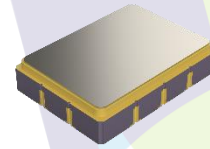
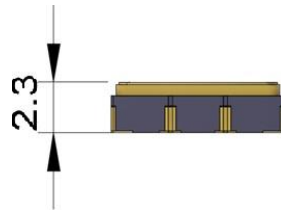
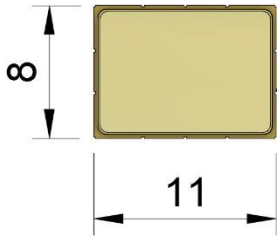


PRELIMINARY TECHNICAL SPECIFICATIONS

Test	Description	Min	Typ	Max	Units
Electrical					
Rated Capacitance	25°C	250	275	300	mF
	85°C	255	280	305	mF
Operating Voltage			2.1		V
Surge Voltage			2.5		V
Series Resistance	25°C	140	160	180	mΩ
	85°C	70	85	100	mΩ
Leakage Current @ Rated Voltage	96 hrs. @ 70°C		<5		uA
Operating Temperature		-40		85	
Storage Temperature		-45		135	
Physical					
Length			11.0		mm
Width			8.0		mm
Height			2.3		mm
Mass			0.57		g
Volume			0.20		cc

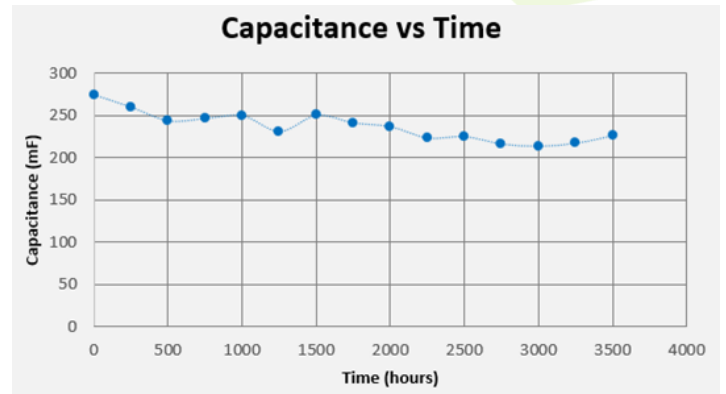
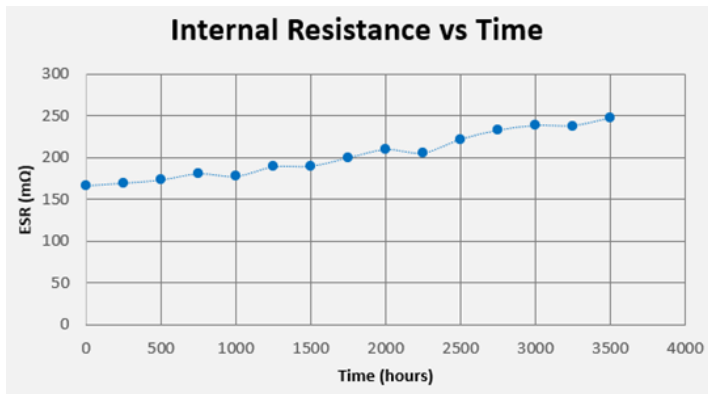
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Lifetime >3000 hours at 85°C, 2.1V

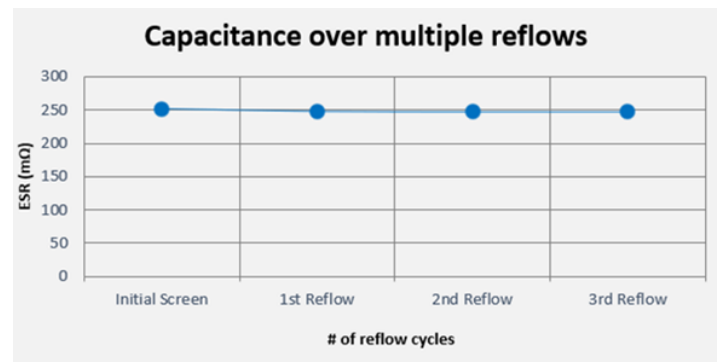
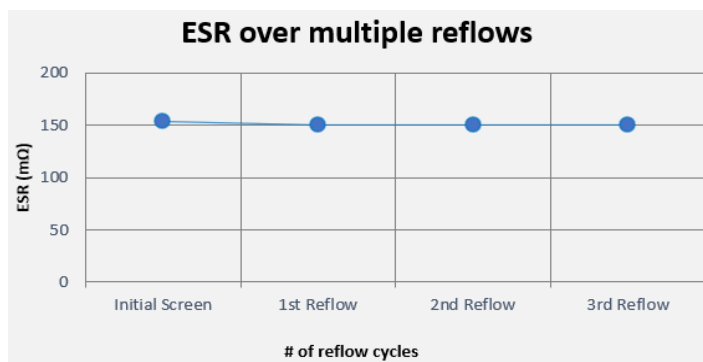
Lifetime >3000 hours at 85°C, 2.1V



- ESR degradation less than 40% after 3000 hours

- Capacitance degradation less than 20% after 3000

No Performance degradation after 4 reflows



- Reflowable at 260° - Pb-Free reflow Compliant
- More than 4 Reflowable Cycles

Rev Number: 7
 Last Updated: 09/26/2020

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