



HIGH CAPACITANCE SOLID TANTALUM CAPACITORS

CONFORMAL COATED WITH HIGHEST CAPACITANCE AVAILABLE IN SMD MnO₂

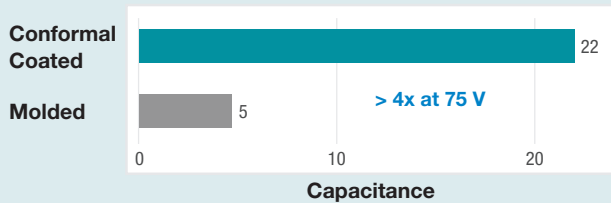
CHARACTERISTICS

- Temperature Range: -55 °C to +125 °C
- Capacitance Range: 0.10 µF to 2200 µF
- Voltage Range (VDC): 4 V to 75 V

INDUSTRY-FIRST RATINGS

- 47 µF at 50 V
- 33 µF at 63 V
- 22 µF at 75 V

Capacitance is > 4x greater than molded

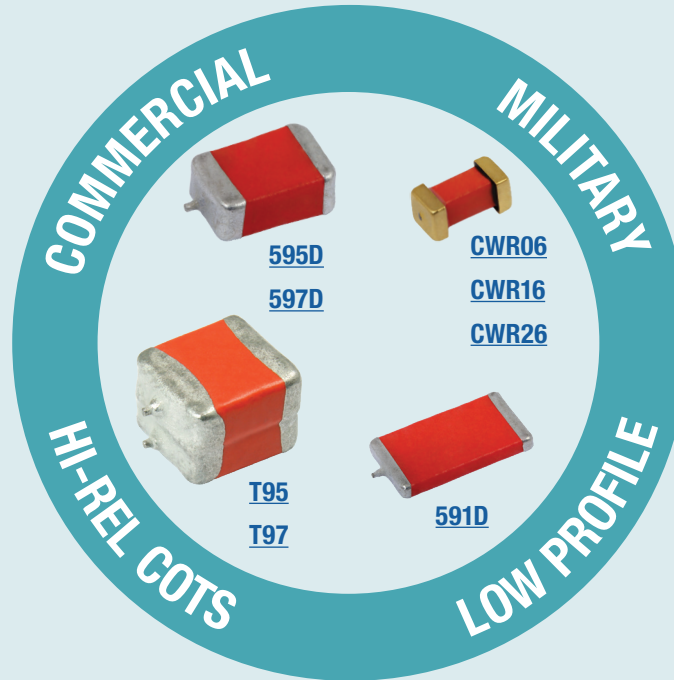


Better ESR than traditional molded in the same rating and similar case size

Rating	Molded	Conformal Coated
	Max. ESR (mΩ)	Max. ESR (mΩ)
1000 µF - 4 V	500	18
68 µF - 25 V	600	100
47 µF - 35 V	600	130
15 µF - 50 V	800	250
4.7 µF - 75 V	2500	-
10 µF - 75 V	-	500

Comment: Comparison is based on Vishay molded 293D series versus Vishay 597D series

www.vishay.com



KEY DESIGN FACTORS

- High Reliability Options
- Surge Current Test Options
- Military-Qualified Series Available
- Termination Options
 - RoHS-Compliant
 - Tin / Lead
 - Gold

APPLICATIONS



AVIONICS



MEDICAL



SPACE



INDUSTRIAL



MILITARY



RADAR & COMMUNICATIONS

Space / Military		CWR06 Standard	CWR16 Extended	CWR26 Low ESR		14002 DLA		13008 DLA	
High Reliability						T95	T96 Fuse	T97	T98 Fuse
Commercial	195D	695D	194D	591D Low Profile	595D	594D Low ESR	592D Low Profile	597D Multi-Anode	

Capacitance

For technical questions: tantalum@vishay.com

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