170 RVZ Series Sample Kit
Aluminum Electrolytic Capacitors, Radial

LINKS TO ADDITIONAL RESOURCES

Order Samples Product Page

ORDER CODE

MAL217099001E3

QUICK REFERENCE DATA	
DESCRIPTION	**VALUE**
Nominal case sizes (Ø D x L in mm)	10 x 12 to 18 x 40
Rated capacitance range, C_R	100 µF to 6800 µF
Tolerance on C_R	± 20 %
Rated voltage range, U_R	10 V to 63 V
Category temperature range	-40 °C to +105 °C
Endurance test at 105 °C	3000 h to 6000 h
Useful life at 105 °C	4000 h to 10 000 h
Useful life at 40 °C, 1.8 x I_R applied	200 000 h to 500 000 h
Shelf life at 0 V, 105 °C	1000 h
Based on sectional specification	IEC 60384-4 / EN130300
Climatic category IEC 60068	55 / 105 / 56

FEATURES

AUTOMOTIVE GRADE

Pb-free

RoHS COMPLIANT

- Very long useful life: 4000 h to 10 000 h at 105 °C, high stability, high reliability
- Very low impedance and low ESR in smaller case sizes than the 150 RMI series
- Excellent ripple current capability
- AEC-Q200 qualified
- Polarized aluminum electrolytic capacitors, non-solid electrolyte
- Radial leads, cylindrical aluminum case with pressure relief, insulated with a blue sleeve
- Charge and discharge proof
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

APPLICATIONS

- Power supplies (SMPS, DC/DC converters) for general industrial, EDP, audio-video, automotive, and telecommunications
- Smoothing, filtering, buffering

PACKED SAMPLE KIT VALUES			
CAPACITANCE (µF)	**VOLTAGE (V)**	**DIMENSIONS D x L (mm)**	**PART NUMBER**
1000	16	10 x 20	MAL217055102E3
2200	16	12.5 x 25	MAL217055222E3
330	25	10 x 12	MAL217056331E3
1000	25	12.5 x 20	MAL217056102E3
1500	25	12.5 x 25	MAL217056152E3
220	35	10 x 20	MAL217050221E3
1000	35	12.5 x 25	MAL217050102E3
3300	35	18 x 31	MAL217050332E3
470	50	12.5 x 20	MAL217051471E3
1500	50	16 x 31	MAL217051152E3
470	63	12.5 x 25	MAL217058471E3
1000	63	16 x 31	MAL217058102E3

Note

- For further technical specifications please look into datasheet of series 170 RVZ: www.vishay.com/doc?28462