

## 172 RLX Series Sample Kit Aluminum Electrolytic Capacitors, Radial


**LINKS TO ADDITIONAL RESOURCES**

**ORDER CODE**

MAL217299001E

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 <sub>R</sub>	150 µF to 15 000 µF
Tolerance on C <sub>R</sub>	± 20 %
Rated voltage range, U <sub>R</sub>	10 V to 50 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 <sub>R</sub> 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	-40 / 105 / 56

**FEATURES**

- 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 170 RVZ 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](http://www.vishay.com/doc?99912)

 AUTOMOTIVE  
GRADE

**RoHS**  
COMPLIANT

**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
2200	16	12,5 x 20	MAL217255222E3
4700	16	18 x 20	MAL217255472E3
470	25	10 x 12	MAL217256471E3
1500	25	12,5 x 20	MAL217256152E3
3900	25	16 x 25	MAL217256392E3
470	35	10 x 20	MAL217250471E3
1200	35	12,5 x 25	MAL217250122E3
2200	35	16 x 25	MAL217250222E3
3300	35	18 x 31	MAL217250332E3
220	50	10 x 16	MAL217251221E3
1200	50	16 x 25	MAL217251122E3
2200	50	18 x 31	MAL217251222E3

**Note**

- For further technical specifications please look into datasheet of series 172RLX: [www.vishay.com/doc?28499](http://www.vishay.com/doc?28499)