



ALUMINUM CAPACITORS

256 PMG-SI Series

Miniaturized General Purpose Snap-In Power Aluminum Capacitors



KEY BENEFITS

- Useful life: 2000 h at +105 °C, > 5000 h at +85 °C
- Voltage range from 16 V to 100 V
- Polarized aluminum electrolytic capacitors, non-solid electrolyte
- Pressure relief on the top of the aluminum case
- PET insulation sleeve

APPLICATIONS

- General purpose, industrial
- Standard and switched mode power supplies
- Audio systems
- DC/DC converters
- Telecom
- Smoothing and filtering

RESOURCES

- Datasheet: 256 PMG-SI - www.vishay.com/doc?28410
- For technical questions contact aluminumcaps2@vishay.com
- Material categorization: For definitions please see - www.vishay.com/doc?99912



RoHS
COMPLIANT

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components



ALUMINUM CAPACITORS

256 PMG-SI Series

Aluminum Capacitors Power Miniaturized General Purpose - Snap In

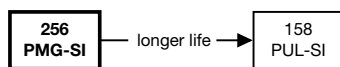


Fig. 1

QUICK REFERENCE DATA

DESCRIPTION	VALUE
Nominal case size (D x L in mm)	20 x 25 to 35 x 45
Rated capacitance range (E6 series), C _R	820 µF to 47 000 µF
Tolerance on C _R	± 20 %
Rated voltage range, U _R	16 V to 100 V
Category temperature range	-40 °C to +105 °C
Endurance test at +105 °C	2000 h
Useful life at +105 °C	2000 h
Useful life at +85 °C	> 5000 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

- Useful life: 2000 h at +105 °C, > 5000 h at +85 °C
- Voltage range from 16 V to 100 V
- Polarized aluminum electrolytic capacitors, non-solid electrolyte
- Pressure relief on the top of the aluminum case
- PET insulation sleeve
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

APPLICATIONS

- General purpose, industrial
- Standard and switched mode power supplies
- Audio systems
- DC/DC converters
- Telecom
- Smoothing and filtering

MARKING

The capacitors are marked (where possible) with the following information:

- Rated capacitance (in µF)
- Tolerance on rated capacitance, code letter in accordance with IEC 60062 (± 20 %)
- Rated voltage (in V)
- Date code; abbreviation in 2 digits in accordance with IEC 60062
- Name of manufacturer
- Code for factory of origin (04)
- “-” sign to identify the negative terminal, visible from the top and side of the capacitor
- Relevant part of ordering code. Example MAL225638472E3, marking will show: 256 38472
- Climatic category in accordance with IEC 60068
- LL for Long Life

SELECTION CHART FOR C_R, U_R, AND RELEVANT NOMINAL CASE SIZES (Ø D x L in mm)

C _R (µF)	U _R (V)						
	16	25	35	50	63	80	100
820	-	-	-	-	-	-	22 x 30
1200	-	-	-	-	22 x 25	-	25 x 30
1500	-	-	-	-	-	22 x 35	-
2200	-	-	-	22 x 25	22 x 30	25 x 30	25 x 40
2700	-	-	-	22 x 25	-	-	30 x 35
3300	-	-	22 x 25	22 x 30	25 x 35	35 x 25	30 x 40
3900	-	-	-	22 x 35	-	-	-
4700	-	-	22 x 25	25 x 30	25 x 40	35 x 30	35 x 40
5600	-	-	-	-	-	35 x 45	35 x 45
6800	-	-	25 x 30	25 x 40	35 x 30	35 x 40	-
8200	-	22 x 25	-	-	-	-	-
10 000	20 x 25	-	30 x 30	30 x 40	35 x 40	-	-
15 000	22 x 30	22 x 40	-	-	-	-	-
22 000	25 x 30	25 x 40	35 x 40	-	-	-	-
47 000	35 x 35	-	-	-	-	-	-

Revision 10-Jun-14