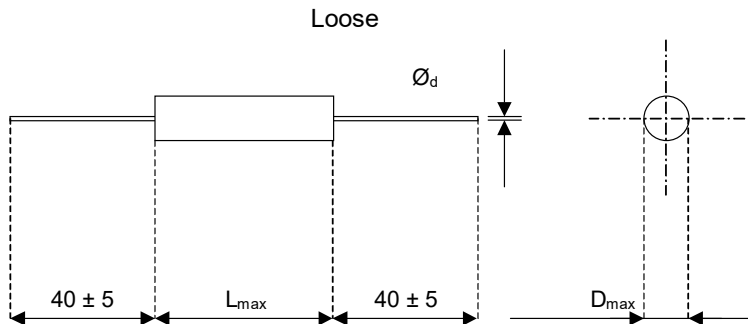


A72 Series FILM-FOIL polypropylene capacitor high current applications



Rated Capacitance	D	L	$\varnothing d$	dv/dt V/ μ s	Packaging	Part number
0,47 μ F	24	46	1	300	Loose	A72QX3470ZA00M

All dimensions are in mm

GENERAL TECHNICAL DATA

Dielectric:	Polypropylene film.
Plates:	Metal foil + metallized film.
Winding:	Non-inductive type.
Leads:	Tinned wire.
Protection:	Polyester tape wrapping and thermosetting resin filled.
Marking:	Manufacturer's logo (RS), capacitance, tolerance, D.C. rated voltage.



.47/20
1000 V-

Climatic category:	55/105/56.
Operating temperature range:	- 55 to + 105°C.
Rated Temperature :	+ 85 °C.
Temperature derated voltage:	For temperature between +85°C and +105°C a decreasing factor of 1.25% per degree °C on the rated voltage Vr (d.c.) has to be applied.

ELECTRICAL CHARACTERISTICS

Rated capacitance:	0,47 μ F
Rated voltage:	1000 Vdc
Capacitance Tolerance:	$\pm 20\%$ (M) (measured at 1kHz/25°C)
D.F (tg δ)	$\leq 5 \times 10^{-4}$ (measured at 1 kHz/25°C)
Insulation resistance	$\geq 1 \times 10^5$ M Ω (measured at 100V/25°C for 1 minute)
Test Voltage	2 x Vr applied for 2 seconds at 25°C \pm 5°C



Prototype Sample Disclaimer

The Customer acknowledges the following limitations of the prototype samples:

- (1) prototype samples are manufactured from preliminary designs and manufacturing processes. may not represent final designs. have not been released for commercial use and are not subject to the same quality control procedures applicable to released products;
- (2) prototype samples are not qualified parts and are provided as-is by KEMET Electronics Corporation. which specifically disclaims any and all warranties and guarantees. explicit or implied. including without limitation the warranties of merchantability and fitness for a particular purpose or use;
- (3) prototype samples are not intended for commercial use. are provided for engineering evaluation only and are not recommended for use in the Customer's production line;
- (4) the Customer assumes the risk of any and all uses that the Customer makes of the prototype samples.

Disclaimer

All product specifications, statements, information and data (collectively, the "Information") are subject to change without notice. All Information given herein is believed to be accurate and reliable, but is presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite, experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained. Although we design and manufacture our products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage. Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.