## ARCOTRONICS

**R74** 

/IKP Series

# METALLIZED POLYPROPYLENE FILM CAPACITOR A.C. APPLICATIONS

**Typical applications**: electronic lighting (i.e. car headlamp and ballast), pulse applications with high A.C. voltage and high current.

#### PRODUCT CODE: R74

Pitch	Box thickness (B)	Maximum dimensions (mm)					
(mm)	(mm)	B max	H max	L max			
10.0	All	B +0.2	H +0.1	L +0.2			
15.0	<7.5	B +0.2	H +0.1	L +0.3			
15.0	≥7.5	B +0.2	H +0.1	L +0.5			
22.5	All	B +0.2	H +0.1	L +0.3			
27.5	All	B +0.2	H +0.1	L +0.3			
37.5	All	B +0.3	H +0.1	L +0.3			

#### GENERAL TECHNICAL DATA

Dielectric: polypropylene film.

Plates: aluminium layer deposited by evaporation under

vacuum.

Winding: non-inductive type.

Leads: tinned wire.

Protection: plastic case, thermosetting resin filled.

Box material is solvent resistant and flame

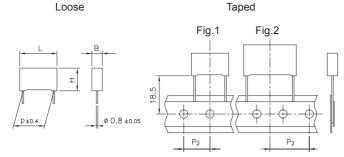
retardant according to UL94 V0.

Marking: manufacturer's logo, series (R74), dielectric

code (MKP), capacitance, tolerance, A.C. rated

voltage, manufacturing date code.

Climatic category: 55/105/56 IEC 60068-1 Operating temperature range: -55 to +105°C Related documents: IEC 60384-16; IEC 60384-17



Ød ±0.05	p = 10	15 ≤ p ≤ 27.5	p = 37.5		
	0.6	0.8	1.0		

All dimensions are in mm.

#### PRODUCT CODE SYSTEM

The part number, comprising 14 digits, is formed as follows:

1	2	3	4	5	6	7	8	9	10	11	12	13	14
R	7	4										_	

Digit 1 to 3 Series code.

Digit 4 a.c. rated voltage:

L = 250V N = 400V 5 = 500V

7 = 700V 9 = 900V

Digit 5 Pitch: F=10.0mm; I =15.0mm; N=22.5mm;

R=27.5mm W=37.5mm

Digit 6 to 9 Digits 7 - 8 - 9 indicate the first three digits of Capacitance value and the 6th digit indicates

the number of zeros that must be added to obtain the Rated Capacitance in pF.

Digit 10 to 11 Mechanical version and/or packaging (table 1)

Digit 12 Identifies the dimensions and electrical

characteristics.

Digit 13 Internal use.

Digit 14 Capacitance tolerance:

J=5%; K=10%

Table 1 (for more detailed information, please refer to page 14)

Standard packaging style	Lead length		Taping st	Ordering code	
-	(mm)	P <sub>2</sub> (mm)	Fig. (No.)	Pitch (mm)	(Digit 10 to 11)
AMMO-PACK		12.70	1	10.0/15.0	DQ
AMMO-PACK		19.05	2	22.5	DQ
AMMO-PACK	Kinked execution from p=15 mm to p=7.5 mm				KN
AMMO-PACK	Kiliked execution	KL			
REEL Ø 355mm		12.70	1	10.0/15.0	GY
REEL Ø 500mm		12.70	1	10.0/15.0	CK
REEL Ø 500mm		19.05	2	22.5/27.5	CK
Loose, short leads	4 +2				AA
Loose, long leads (p=10mm)	17 +1/-2				JM
Loose, long leads	30 <sup>+5</sup>				40
(p≥15mm)	25 +2/-1				50

Note: Ammo-pack is the preferred packaging for taped version.

### Typical application: LAMP CAPACITOR IN ELECTRONIC BALLAST

