



# DATA SHEET

**Metallized polypropylene film interference suppression capacitor Y2 Class**

**Serie: I24002**

Code / Range **105= 1,0 $\mu$ f**

Code / Volt **301= 300VAC**

Width **41,0 mm**

Height **37,0 mm**

Thickness **22,0 mm**

Pitch **37,5 mm**

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Serie No.: **I24002**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	20.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4	Customer:

# EDCON-COMPONENTS



## Features

- Metallized polypropylene structure
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in in line to ground, line-by-pass, antenna coupling interference suppression

## Dimensions

### Specifications

Climatic Category/ passive Flammability Class	40/110/56B	
Operating Temperature Range:	-40°C ~ +110°C	
Class	Y2	
Rated Voltage:	300VAC	
Maximum continuous AC voltage	480VAC	
Maximum continuous DC voltage	1250VDC	
Capacitance Range:	0,0010µF ~ 1,0µF	
Capacitance Tolerance:	± 10% (K), ± 20% (M)	
Voltage Proof	Between Terminals:	2000/3400 (Vacc) (2s)
	Between Terminals to Case:	2380 (Vac) (1min)
Insulation Resistance	≥15000MΩ, C <sub>R</sub> ≤0,33µF	( 20°C, 100V, 1min)
	≥5000s, C <sub>R</sub> ≤0,33µF	
Dissipation Factor	≤30x10 <sup>-4</sup> (1kHz,20°C)	≤40x10 <sup>-4</sup> (10kHz,20°C)



### Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
<b>A</b>	41,0	37,0	22,0	37,5

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d= 1,0mm

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  	IEC 60384-14:2005, Y2 250VAC; 0,001µF~1,0µF, 40/110/56B ( Certificate No.) CQC040001009958					
	EN 60384-14:2005 Y2 30VAC; 0,001µF~1,0µF, 40/110/56B ( Certificate No. ) SE/0366-2B Ref. No. 916516					
	UL1414, CSA C22.2 No.1, 250VAC, 0,0047µF to 1,0µF (Certificate No.) E186600					
	UL1283, CSA C22.2 No.8 300/480VAC, 0,010µF ~ 1,0µF ( Certificate No. ) E186662					
CB Test Certificate	IEC 60384-14:2005 Y2, 300VAC, 0,001µF ~ 1,0µF, 40/110/56B ( Certificate No. ): SE-60440					

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# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Pitch Code	Lead Style	Lead Length C	ROHS	Packing Code	
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<b>I24002</b>	-	<b>105</b>	<b>M</b>	<b>301</b>	<b>A</b>	<b>F</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>
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<b>105=</b> 1,0µf	<b>M=</b> 20% Standard	<b>301=</b> 300VAC	<b>A=</b> look Case Dimension	<b>F=</b> 37,5mm	<b>N=</b> No function	<b>LL=</b> Long Lead (Standard)	<b>R=</b> ROHS Conform	<b>BU=</b> Bulk Ware
	<b>K=</b> 10%					<b>45=</b> Lead Length 4,5mm	<b>N=</b> NON ROHS Conform	<b>TB=</b> Tape Box
								<b>IV=</b> Individual Package

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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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