

NEW
PRODUCT

メタライズドポリプロピレンフィルムキャパシタ
METALLIZED POLYPROPYLENE FILM CAPACITOR

Type MAC-UM



用途 TYPICAL APPLICATIONS

交流電源アクロスライン用 class X2
For EMI suppression capacitor, class X2

インバーター装置の交流出力フィルター用
For inverter AC output filter

特長 FEATURES

EMI規制強化に対応。小型大容量化を実現

Compatible with EMI regulations enhancement. Higher capacitance and smaller size.

INV出力の大幅な変動波形に対応。305VAC品をラインアップ化

This capacitor protects against harmful fluctuations of the inverter output.

耐湿性能向上(ハイスペック品のみ)

High resistance against humidity (applicable for high-spec model).

試験条件 Test conditions

温度(°C) Temperature	湿度(%) Humidity	電圧印加時間(連続) Test time (Hrs)
85	85	1,000

海外規格取得範囲を0.47~20 μ Fまでラインアップ

Capacitance range is from 0.47 μ F up to 20 μ F with international standards approval.

期待寿命が30%向上(当社従来品比較)

130% higher expected lifetime when compare with similar model.

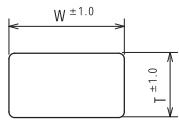
認定規格 APPROVALS

規格 Specification	規格番号 Standard Number
UL	UL 60384-14
C-UL	CSA E60384-14
ENEC	IEC60384-14 EN60384-14

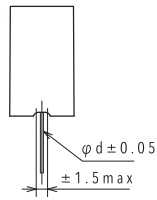
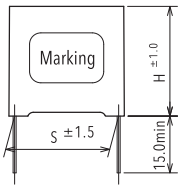
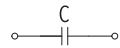
電気特性 ELECTRIC CHARACTERISTICS

使用温度範囲	Category temperature Range	-40 ~ +105°C
定格電圧	Rated AC Voltage	305VAC
静電容量範囲	Rated Capacitance Range	0.47 μ F ~ 2.2 μ F (標準品) / 2.2 μ F ~ 20 μ F (ハイスペック品)
誘電正接	Dissipation factor	0.3% MAX (f=1kHz)
耐電圧	Test Voltage	T-T 1,312VDC(60s) T-C 2,110VAC(60s)
絶縁抵抗	Insulation Resistance	5,000 Ω F MIN

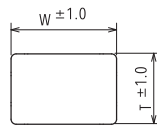
標準品 Standard



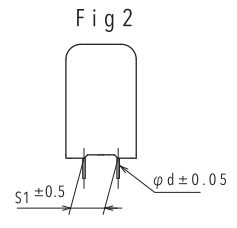
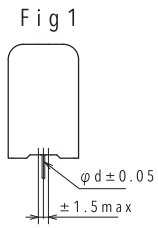
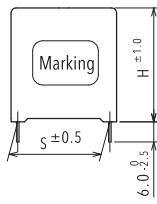
Circuit Diagram



ハイスペック品 High-spec



Circuit Diagram



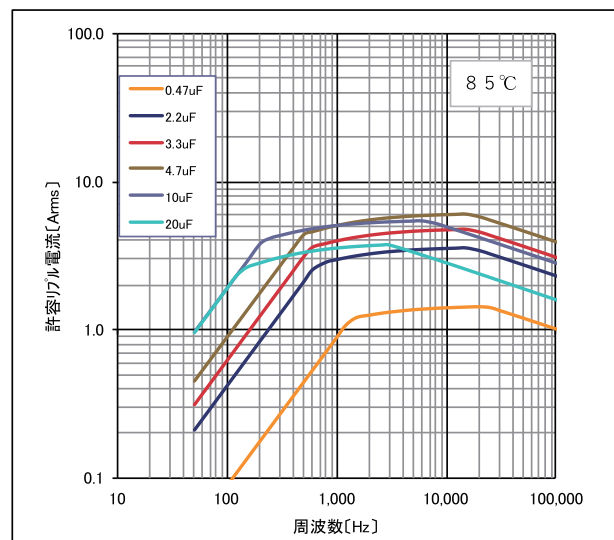
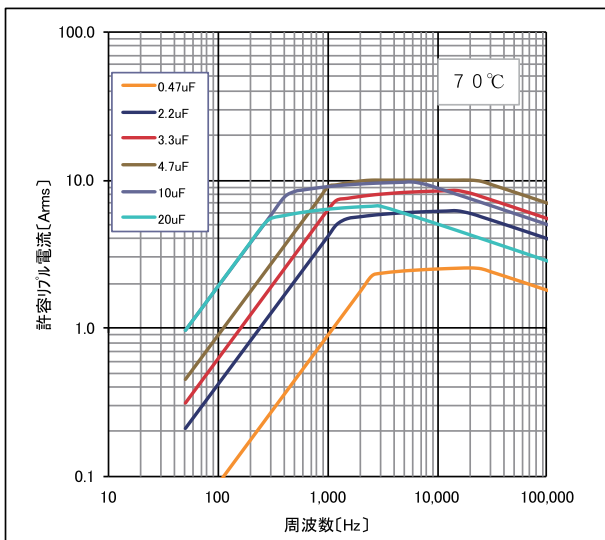
標準品 Standard

Rated Voltage (VAC)	Capacitance (μF)	Dimensions(mm)					Diameter (mm)	Type
		W(mm)	H(mm)	T(mm)	S (mm)			
305	0.47	25.5	19.0	9.5	22.5	φ0.8	MAC-UM31B474K	
305	0.68	30.5	19.0	10.0	27.5	φ0.8	MAC-UM31B684K	
305	1.0	30.5	20.5	12.5	27.5	φ0.8	MAC-UM31B105K	
305	1.5	30.5	24.0	14.5	27.5	φ0.8	MAC-UM31B225K	
305	2.2	30.5	29.0	17.0	27.5	φ0.8	MAC-UM31B225K	

ハイスペック品 High-spec

Rated Voltage (VAC)	Capacitance (μF)	Dimensions(mm)						Diameter (mm)	Type
		W(mm)	H(mm)	T(mm)	S (mm)	S1 (mm)			
305	2.2	32.0	27.5	18.0	27.5	-	φ0.8	MAC-UM31B225KS	
305	3.3	32.0	34.0	21.0	27.5	-	φ0.8	MAC-UM31B335KS	
305	4.7	32.0	37.5	25.0	27.5	-	φ0.8	MAC-UM31B475KS	
305	6.8	42.0	37.0	24.0	37.5	-	φ1.0	MAC-UM31B685KS	
305	8.2	42.0	38.5	26.0	37.5	-	φ1.0	MAC-UM31B825KS	
305	10.0	42.0	42.5	28.0	37.5	-	φ1.0	MAC-UM31B106KS	
305	20.0	58.0	50.0	35.0	52.5	20.3	φ1.2	MAC-UM31B206KS	

許容電流表 Allowable current



SHIZUKI ELECTRIC CO.,INC.
株式会社 指月電機製作所

URL : <http://www.shizuki.co.jp>

本社 〒662-0867 兵庫県西宮市大社町10番45号 ☎ 0798-74-5821 FAX 0798-73-0807