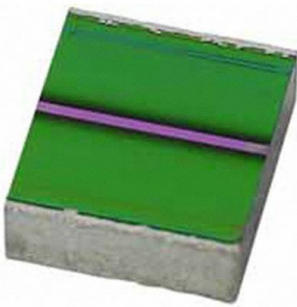


# 35MU473MZ22012 Datasheet

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<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	35MU473MZ22012-DG
Manufacturer	<a href="#">Rubycon</a>
Manufacturer Product Number	35MU473MZ22012
Description	CAP FILM 0.047UF 20% 35VDC 0805
Detailed Description	0.047 $\mu$ F Film Capacitor 35V Acrylic, Metallized 0805 (2012 Metric)

This model 35MU473MZ22012 is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

35MU473MZ22012

**Series:**

PMLCAP®, MU

**Capacitance:**

0.047  $\mu$ F

**Voltage Rating - AC:**

-

**Dielectric Material:**

Acrylic, Metallized

**Mounting Type:**

Surface Mount

**Size / Dimension:**

0.079" L x 0.049" W (2.00mm x 1.25mm)

**Termination:**

Solder Pads

**Applications:**

DC Link, DC Filtering

**Features:**

-

**Manufacturer:**

Rubycon

**Product Status:**

Active

**Tolerance:**

$\pm$ 20%

**Voltage Rating - DC:**

35V

**Operating Temperature:**

-55°C ~ 125°C

**Package / Case:**

0805 (2012 Metric)

**Height - Seated (Max):**

0.047" (1.20mm)

**Lead Spacing:**

-

**Ratings:**

-

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8532.24.0020

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**ECCN:**

EAR99



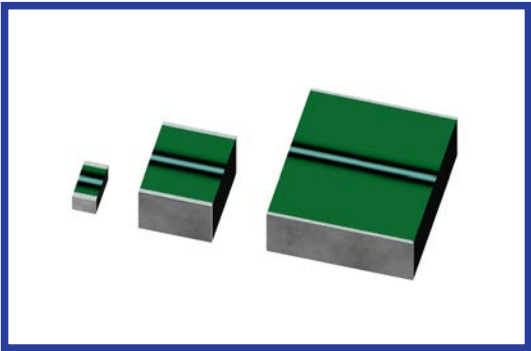
薄膜高分子積層コンデンサ  
POLYMER MULTI-LAYER CAPACITORS

MU

MU series

標準品  
Standard

- ・面実装品。Surface-mounted device.
- ・無極性コンデンサ Non-polar capacitor.
- ・鉛フリーフローはんだ付けが可能。Lead free reflow soldering is available.
- ・フローはんだ付けが可能。Flow soldering is available.



◆規格表/SPECIFICATIONS

項目 Item	特性 Characteristics		
カテゴリ温度範囲 Category Temperature Range	-55~+125°C		
定格電圧範囲 Rated Voltage Range	10~63Vdc	100Vdc	200Vdc
静電容量範囲 Capacitance Range	0.0001~22 μF (101~226)	0.001~0.1 μF (102~104)	0.0001~0.1 μF (101~104)
静電容量許容差 Capacitance Tolerance	±10% (K), ±20% (M)		±20% (M)
損失角の正接 (tan δ) Dissipation Factor (MAX)	1.5%以下 (1kHz±20%, 5Vrms以下) 1.5% or less (1kHz±20%, 5Vrms or less)		
耐電圧 Voltage Proof	定格電圧の150%を1分間または175%を1~5秒間印加後、異常の無いこと。 Nothing abnormal shall be found, when applying 150% of the rated voltage for 1 minute or 175% of the rated voltage for 1 second to 5 seconds.		定格電圧の130%を1~5秒間印加後、異常の無いこと。 Nothing abnormal shall be found, when applying 130% of the rated voltage for 1 second to 5 second
絶縁抵抗 Insulation Resistance	C ≤ 0.1 μF: 3000MΩ 以上 (定格電圧印加1分後) C ≤ 0.1 μF: 3000MΩ or more (After 1 minute application of rated voltage) C > 0.1 μF: 300MΩ · μF 以上 (定格電圧印加1分後) C > 0.1 μF: 300MΩ · μF or more (After 1 minute application of rated voltage)		1000MΩ 以上 (定格電圧印加1分後) 1000MΩ or more (After 1 minute application of rated voltage)

◆呼称方法/PART NUMBER



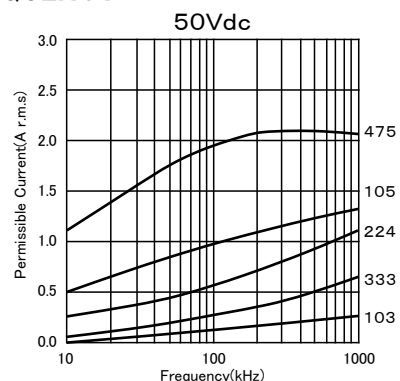
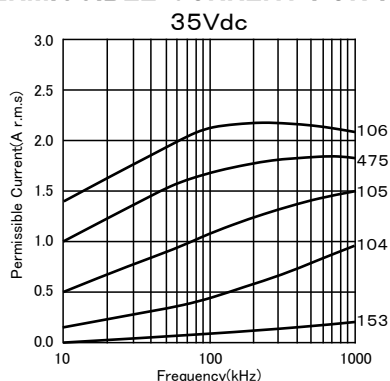
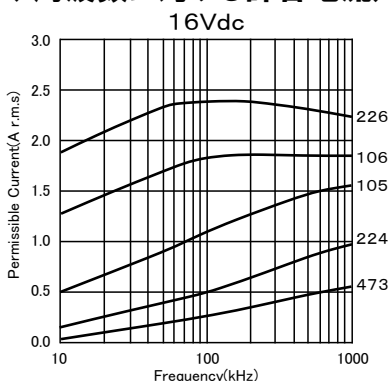
記号 Code	定格電圧 Rated Voltage
10	10Vdc
16	16Vdc
25	25Vdc
35	35Vdc
50	50Vdc
63	63Vdc
100	100Vdc
200	200Vdc

記号 Code	静電容量 Capacitance
101	0.0001 μF
682	0.0068 μF
153	0.015 μF
224	0.22 μF
335	3.3 μF
226	22 μF

記号 Code	許容差 Tolerance
K	±10%
M	±20%

記号 Code	チップサイズ Chip Size
1608	1.6x0.8mm
2012	2.0x1.25mm
3216	3.2x1.6mm
3225	3.2x2.5mm
4532	4.5x3.2mm
5750	5.7x5.0mm
3245	3.2x4.5mm

◆周波数に対する許容電流/PERMISSIBLE CURRENT FOR FREQUENCY





薄膜高分子積層コンデンサ  
POLYMER MULTI-LAYER CAPACITORS

MU

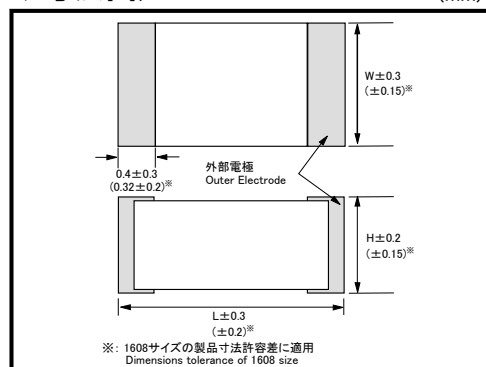
◆標準品一覧表／STANDARD SIZE

□: 静電容量許容差記号／Tolerance

定格電圧 Rated Voltage (Vdc)	静電容量 Capacitance (μF)	外形寸法 Size (mm)			品番 Part No.
		L	W	H	
10	0.068	1.6	0.8	0.65	10MU683□Y11608
	0.10	1.6	0.8	1.0	10MU104□Y11608
	0.33	2.0	1.25	1.0	10MU334□Z12012
	0.47	2.0	1.25	1.4	10MU474□Z22012
16	0.047	1.6	0.8	0.65	16MU473□Y11608
	0.15	2.0	1.25	1.0	16MU154□Z22012
	0.22	2.0	1.25	1.0	16MU224□Z22012
	1.0	3.2	1.6	1.4	16MU105□A23216
	1.5	3.2	1.6	1.4	16MU155□A23216
	2.2	3.2	2.5	1.8	16MU225□B23225
	3.3	3.2	2.5	2.0	16MU335□B33225
	4.7	4.5	3.2	1.4	16MU475□C14532
	6.8	4.5	3.2	1.8	16MU685□C24532
	10	4.5	3.2	2.6	16MU106□C44532
	15	5.7	5.0	1.8	16MU156□D15750
	22	5.7	5.0	2.6	16MU226□D35750
25	0.033	1.6	0.8	0.65	25MU333□Y11608
	0.10	2.0	1.25	1.0	25MU104□Z22012
	0.15	2.0	1.25	1.0	25MU154□Z22012
	0.68	3.2	1.6	1.4	25MU684□A23216
	1.0	3.2	1.6	1.4	25MU105□A23216
	1.5	3.2	2.5	2.0	25MU155□B33225
	2.2	3.2	2.5	1.8	25MU225□B23225
	3.3	4.5	3.2	1.4	25MU335□C14532
	4.7	4.5	3.2	1.8	25MU475□C24532
	6.8	4.5	3.2	2.6	25MU685□C44532
10	5.7	5.0	1.8	25MU106□D15750	
15	5.7	5.0	2.6	25MU156□D35750	
35	0.015	1.6	0.8	0.65	35MU153□Y11608
	0.022	1.6	0.8	0.65	35MU223□Y11608
	0.047	2.0	1.25	1.0	35MU473□Z22012
	0.068	2.0	1.25	0.8	35MU683□Z12012
	0.10	2.0	1.25	1.0	35MU104□Z22012
	0.47	3.2	1.6	1.0	35MU474□A13216
	0.68	3.2	1.6	1.4	35MU684□A23216
	1.0	3.2	2.5	1.4	35MU105□B13225
	1.5	3.2	2.5	2.0	35MU155□B33225
	2.2	4.5	3.2	1.4	35MU225□C14532
3.3	4.5	3.2	1.8	35MU335□C24532	
4.7	4.5	3.2	2.6	35MU475□C44532	
6.8	5.7	5.0	1.8	35MU685□D15750	
10	5.7	5.0	2.6	35MU106□D35750	
50	0.00010	1.6	0.8	0.65	50MU101□Y11608
	0.00015	1.6	0.8	0.65	50MU151□Y11608
	0.00022	1.6	0.8	0.65	50MU221□Y11608
	0.00033	1.6	0.8	0.65	50MU331□Y11608
	0.00047	1.6	0.8	0.65	50MU471□Y11608
	0.00068	1.6	0.8	0.65	50MU681□Y11608
	0.0010	1.6	0.8	0.65	50MU102□Y11608
	0.0015	1.6	0.8	0.65	50MU152□Y11608
	0.0022	1.6	0.8	0.65	50MU222□Y11608
	0.0033	1.6	0.8	0.65	50MU332□Y11608
	0.0047	1.6	0.8	0.65	50MU472□Y11608
	0.0068	1.6	0.8	0.65	50MU682□Y11608
	0.010	1.6	0.8	0.65	50MU103□Y11608
	0.033	2.0	1.25	1.0	50MU333□Z22012
	0.047	2.0	1.25	1.0	50MU473□Z22012
	0.10	3.2	1.6	1.0	50MU104□A13216
	0.15	3.2	1.6	1.0	50MU154□A13216
	0.22	3.2	1.6	1.0	50MU224□A13216
0.33	3.2	1.6	1.4	50MU334□A23216	
0.47	3.2	2.5	1.4	50MU474□B13225	
0.68	3.2	2.5	1.8	50MU684□B23225	
1.0	4.5	3.2	1.4	50MU105□C14532	

定格電圧 Rated Voltage (Vdc)	静電容量 Capacitance (μF)	外形寸法 Size (mm)			品番 Part No.
		L	W	H	
50	1.5	4.5	3.2	1.8	50MU155□C24532
	2.2	4.5	3.2	2.6	50MU225□C44532
	3.3	5.7	5.0	1.8	50MU335□D15750
	4.7	5.7	5.0	2.6	50MU475□D35750
	0.00010	2.0	1.25	0.8	63MU101□Z12012
63	0.00015	2.0	1.25	0.8	63MU151□Z12012
	0.00022	2.0	1.25	0.8	63MU221□Z12012
	0.00033	2.0	1.25	0.8	63MU331□Z12012
	0.00047	2.0	1.25	0.8	63MU471□Z12012
	0.00068	2.0	1.25	0.8	63MU681□Z12012
	0.0010	2.0	1.25	0.8	63MU102□Z12012
	0.0015	2.0	1.25	0.8	63MU152□Z12012
	0.0022	2.0	1.25	0.8	63MU222□Z12012
	0.0033	2.0	1.25	0.8	63MU332□Z12012
	0.0047	2.0	1.25	0.8	63MU472□Z12012
	0.0068	2.0	1.25	0.8	63MU682□Z12012
	0.010	2.0	1.25	0.8	63MU103□Z12012
	0.015	2.0	1.25	0.8	63MU153□Z12012
	0.022	2.0	1.25	0.8	63MU223□Z12012
	0.033	2.0	1.25	1.0	63MU333□Z22012
	0.047	3.2	1.6	1.0	63MU473□A13216
	0.068	3.2	1.6	1.0	63MU683□A13216
	0.10	3.2	1.6	1.0	63MU104□A13216
	0.15	3.2	1.6	1.0	63MU154□A13216
	0.22	3.2	1.6	1.4	63MU224□A23216
0.33	3.2	2.5	1.4	63MU334□B13225	
0.47	3.2	2.5	1.8	63MU474□B23225	
0.68	4.5	3.2	1.4	63MU684□C14532	
1.0	4.5	3.2	1.8	63MU105□C24532	
1.5	4.5	3.2	2.6	63MU155□C44532	
2.2	5.7	5.0	1.8	63MU225□D15750	
3.3	5.7	5.0	2.6	63MU335□D35750	
100	0.0010	3.2	1.6	1.0	100MU102□A13216
	0.0015	3.2	1.6	1.0	100MU152□A13216
	0.0022	3.2	1.6	1.0	100MU222□A13216
	0.0033	3.2	1.6	1.0	100MU332□A13216
	0.0047	3.2	1.6	1.0	100MU472□A13216
	0.0068	3.2	1.6	1.0	100MU682□A13216
	0.010	3.2	1.6	1.0	100MU103□A13216
	0.015	3.2	1.6	1.0	100MU153□A13216
	0.022	3.2	1.6	1.0	100MU223□A13216
	0.033	3.2	1.6	1.0	100MU333□A13216
	0.047	3.2	1.6	1.4	100MU473□A23216
	0.068	3.2	2.5	1.4	100MU683□B13225
0.10	3.2	2.5	1.8	100MU104□B23225	
200	0.00010	3.2	1.6	1.0	200MU101MA13216
	0.0010	3.2	1.6	1.0	200MU102MA13216
	0.010	3.2	1.6	1.4	200MU103MA23216
	0.10	3.2	4.5	2.6	200MU104MC43245

◆寸法図／DIMENSIONS



当社webサイトにてシミュレーション用のデータとしてPMLCAPのSPICEモデル(netlist)を提供しております。各種回路設計にお役立てください。  
Our website offers the SPICE model (netlist) of PMLCAP as the data for simulations. Please make use of various circuit design.

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