

35MS710MEFC4X7 Datasheet



DiGi Electronics Part Number	35MS710MEFC4X7-DG
Manufacturer	Rubycon
Manufacturer Product Number	35MS710MEFC4X7
Description	CAP ALUM 10UF 20% 35V RADIAL
Detailed Description	10 μ F 35 V Aluminum Electrolytic Capacitors Radial , Can 1000 Hrs @ 85°C

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Purchase and inquiry

Manufacturer Product Number:

35MS710MEFC4X7

Series:

MS7

Capacitance:

10 μ F

Voltage - Rated:

35 V

Lifetime @ Temp.:

1000 Hrs @ 85°C

Polarization:

Polar

Applications:

General Purpose

Size / Dimension:

0.157" Dia (4.00mm)

Surface Mount Land Size:

-

Package / Case:

Radial, Can

Manufacturer:

Rubycon

Product Status:

Obsolete

Tolerance:

\pm 20%

ESR (Equivalent Series Resistance):

-

Operating Temperature:

-40°C ~ 85°C

Ratings:

-

Lead Spacing:

0.059" (1.50mm)

Height - Seated (Max):

0.315" (8.00mm)

Mounting Type:

Through Hole

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8532.22.0020

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99

リード線形アルミニウム電解コンデンサ

RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

MS7

MS7 シリーズ
SERIES
85°C 高さ7mm品
85°C 7mm Height

 ・85°C 1000時間品。
 Load Life : 85°C 1000 hours.

生産中止品
OBSOLETE PRODUCTS

 RoHS
 compliance

◆規格表 / SPECIFICATIONS

項目 Items	特性 Characteristics																												
カテゴリ温度範囲 Category Temperature Range	-40~+85°C																												
定格電圧範囲 Rated Voltage Range	4~63Vdc																												
静電容量許容差 Capacitance Tolerance	±20%(20°C, 120Hz)																												
漏れ電流 Leakage Current(MAX)	$I=0.01CV$ 又は $3\mu A$ のいずれか大なる値以下(定格電圧印加2分後) $I=0.01CV$ or $3\mu A$ whichever is greater. (After 2 minutes application of rated voltage)																												
損失角の正接 (tan δ) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>定格電圧(Vdc) Rated Voltage</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.13</td> <td>0.10</td> <td>0.10</td> </tr> </tbody> </table> (20°C, 120Hz)		定格電圧(Vdc) Rated Voltage	4	6.3	10	16	25	35	50	63	tan δ	0.35	0.24	0.20	0.17	0.15	0.13	0.10	0.10									
定格電圧(Vdc) Rated Voltage	4	6.3	10	16	25	35	50	63																					
tan δ	0.35	0.24	0.20	0.17	0.15	0.13	0.10	0.10																					
耐久 Endurance	85°C中で1000時間定格電圧(リップル重畳)印加後、下記項目を満足すること。 After applying rated voltage with rated ripple current for 1000 hrs at 85°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>静電容量変化率 Capacitance Change</td> <td>初期値の±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>損失角の正接 Dissipation Factor</td> <td>規格値の200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏れ電流 Leakage Current</td> <td>規格値以下 Not more than the specified value.</td> </tr> </tbody> </table>		静電容量変化率 Capacitance Change	初期値の±20%以内 Within ±20% of the initial value.	損失角の正接 Dissipation Factor	規格値の200%以下 Not more than 200% of the specified value.	漏れ電流 Leakage Current	規格値以下 Not more than the specified value.																					
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低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>定格電圧(Vdc) Rated Voltage</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>7</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table> (120Hz)		定格電圧(Vdc) Rated Voltage	4	6.3	10	16	25	35	50	63	Z(-25°C)/Z(20°C)	7	4	3	3	2	2	2	2	Z(-40°C)/Z(20°C)	15	10	8	6	4	4	4	4
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◆リップル電流補正係数 / MULTIPLIER FOR RIPPLE CURRENT

周波数係数 Frequency coefficient

周波数(Hz) Frequency	60(50)	120	500	1k	10k \leq
1 μF	0.50	1.00	1.20	1.30	1.50
2.2~4.7 μF	0.65	1.00	1.20	1.30	1.50
10~47 μF	0.80	1.00	1.20	1.30	1.50
100~470 μF	0.80	1.00	1.10	1.15	1.20

◆副記号 / OPTION

	記号 Code
PETスリーブ PET Sleeve	EFC

◆呼称方法 / PART NUMBER

□□□	MS7	□□□□□	M	□□□	□□	D×L
定格電圧 Rated Voltage	シリーズ名 Series	静電容量 Capacitance	静電容量許容差 Capacitance Tolerance	副記号 Option	リード加工記号 Lead Forming	ケースサイズ Case Size

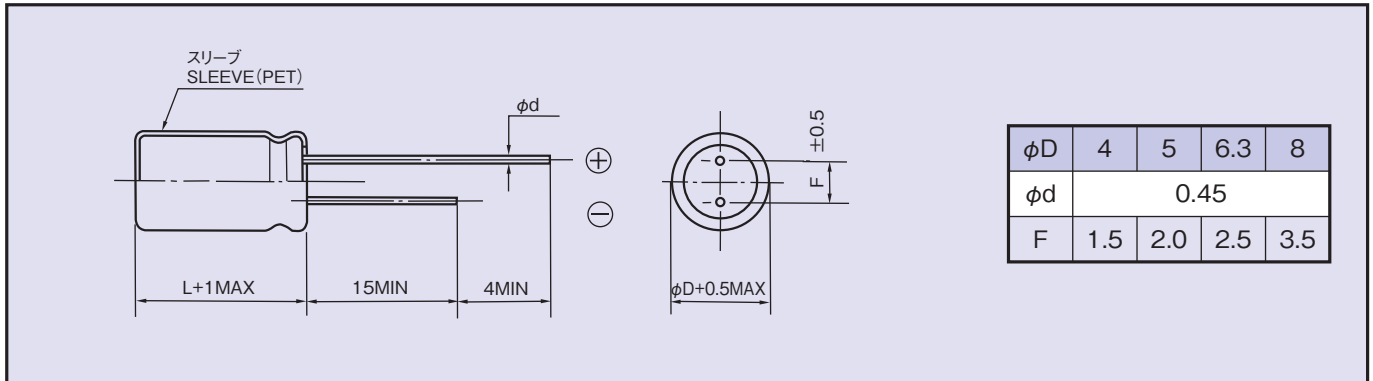
リード線形アルミニウム電解コンデンサ

RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

MS7

◆寸法図 / DIMENSIONS

(mm)



◆標準品一覧表 / STANDARD SIZE

Size $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./85°C, 120Hz)

定格電圧 Vdc	4		6.3		10		16	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10							4×7	28
22			4×7	34	4×7	38	4×7	42
33	4×7	33	4×7	42	4×7	46	5×7	62
47	4×7	39	4×7	50	5×7	66	5×7	73
100	5×7	65	5×7	87	6.3×7	99	6.3×7	110
220	6.3×7	110	6.3×7	133	8×7	165	8×7	145
330	8×7	165	8×7	180	8×7	210		
470	8×7	190						

定格電圧 Vdc	25		35		50		63	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1					4×7	12	4×7	12
2.2					4×7	16	4×7	16
3.3			4×7	18	4×7	19	5×7	24
4.7	4×7	21	4×7	22	4×7	24	6.3×7	33
10	4×7	31	5×7	32	5×7	42	6.3×7	45
22	5×7	55	6.3×7	60	6.3×7	64		
33	6.3×7	66	6.3×7	73	8×7	75		
47	6.3×7	80	8×7	95	8×7	85		
100	8×7	115	8×7	115				

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