

# POLYESTER FILM CAPACITOR

 Type **AMZ**

## Features

- Very small size, especially in H dimension, which is advantageous to save space of PC Board.
- Good reputations for use in general and industrial application.
- Small allowance in the lead pitch dimensions.
- Suitable for automatic insertion due to their small size and light weight.

## Specifications

Temp range	-40 to +85°C (+105°C)	Tangent of loss angle	0.008 or less (at 1kHz)
Voltage	50V, 100V, 250V, 400V.d.c	Insulation resistance	30,000MΩ or more
Capacitance	50V 0.00010 to 0.15μF (C<0.00047μF:E-12,C≥0.00047μF:E-12) 100V 0.00010 to 0.047μF (C<0.00047μF:E-12,C≥0.00047μF:E-12) 250V 0.001 to 0.22μF (E-12) 400V 0.001 to 0.12μF (E-12)	Endurance	85°C W.V.×140% 1000hr ΔC/C ±3% within tanδ 0.011 or less IR 4500MΩ or more
Cap. tolerance	±5%(J), ±10%(K)	Damp heat	40°C 90 to 95%RH W.V.1000hr ΔC/C ±2% within tanδ 0.012 or less IR 9000MΩ or more

\* ( ) Marked temperature shows an operational range when a voltage is derated.

Style	Straight lead type		Single formed lead type		
Cap range	50V.d.c	101 to 154	101 to 154		101 to 333
	100V.d.c	101 to 474	101 to 474	154 to 474	
	250V.d.c	102 to 823	102 to 823	683 to 224	
	400V.d.c	102 to 473	102 to 473	273 to 124	

For a pitch space(F) of the taping specification, refer to "TAPING DIMENSIONS"

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## Dimensions(mm)

Capacitors Code	Cap( $\mu$ F)	AMZ 50V.dc						AMZ 100V.dc					
		W	H	T	P	F	$\phi$ d	W	H	T	P	F	$\phi$ d
101	0.00010	5.7	7.5	3.7	3.5	5.0	0.5	5.7	7.5	3.7	3.5	5.0	0.5
121	0.00012	5.7	7.5	3.7	3.5	5.0	0.5	5.7	7.5	3.7	3.5	5.0	0.5
151	0.00015	5.7	7.5	3.7	3.5	5.0	0.5	5.7	7.5	3.7	3.5	5.0	0.5
181	0.00018	5.7	7.5	3.5	3.5	5.0	0.5	5.7	7.5	3.5	3.5	5.0	0.5
221	0.00022	5.5	7.3	3.2	3.5	5.0	0.5	5.5	7.3	3.2	3.5	5.0	0.5
271	0.00027	5.2	7.0	2.8	3.5	5.0	0.5	5.2	7.0	2.8	3.5	5.0	0.5
331	0.00033	5.2	7.0	2.8	3.5	5.0	0.5	5.2	7.0	2.8	3.5	5.0	0.5
391	0.00039	5.2	7.0	2.8	3.5	5.0	0.5	5.2	7.0	2.8	3.5	5.0	0.5
471	0.00047	5.2	7.0	2.8	3.5	5.0	0.5	5.2	7.0	2.8	3.5	5.0	0.5
561	0.00056	4.8	7.0	2.8	3.5	5.0	0.5	4.8	7.0	2.8	3.5	5.0	0.5
681	0.00068	5.0	7.0	2.8	3.5	5.0	0.5	5.0	7.0	2.8	3.5	5.0	0.5
821	0.00082	4.8	7.0	2.5	3.5	5.0	0.5	4.8	7.0	2.5	3.5	5.0	0.5
102	0.0010	4.8	7.0	2.5	3.5	5.0	0.5	4.8	7.0	2.5	3.5	5.0	0.5
122	0.0012	4.8	7.0	2.5	3.5	5.0	0.5	4.8	7.0	2.5	3.5	5.0	0.5
152	0.0015	4.8	7.0	2.5	3.5	5.0	0.5	4.8	7.0	2.5	3.5	5.0	0.5
182	0.0018	4.8	7.0	2.5	3.5	5.0	0.5	4.8	7.0	2.5	3.5	5.0	0.5
222	0.0022	4.8	7.0	2.8	3.5	5.0	0.5	4.8	7.0	2.8	3.5	5.0	0.5
272	0.0027	4.8	7.0	2.8	3.5	5.0	0.5	4.8	7.0	2.8	3.5	5.0	0.5
332	0.0033	4.8	7.0	2.8	3.5	5.0	0.5	4.8	7.0	2.8	3.5	5.0	0.5
392	0.0039	5.0	7.0	2.8	3.5	5.0	0.5	5.0	7.0	2.5	3.5	5.0	0.5
472	0.0047	5.0	7.0	2.8	3.5	5.0	0.5	5.0	7.0	2.5	3.5	5.0	0.5
562	0.0056	4.8	7.0	2.8	3.5	5.0	0.5	4.8	7.0	2.8	3.5	5.0	0.5
682	0.0068	4.8	7.0	2.8	3.5	5.0	0.5	4.8	7.0	2.8	3.5	5.0	0.5
822	0.0082	5.0	7.0	2.8	3.5	5.0	0.5	5.0	7.0	2.8	3.5	5.0	0.5
103	0.010	5.5	7.0	3.0	3.5	5.0	0.5	5.5	7.0	3.0	3.5	5.0	0.5
123	0.012	5.8	7.0	3.3	3.5	5.0	0.5	5.8	7.0	3.3	3.5	5.0	0.5
153	0.015	5.3	8.5	3.0	3.5	5.0	0.5	6.0	9.5	4.0	3.5	5.0	0.5
183	0.018	5.3	8.5	3.0	3.5	5.0	0.5	6.5	9.5	4.5	3.5	5.0	0.5
223	0.022	5.5	9.0	3.5	3.5	5.0	0.5	6.5	9.5	4.5	3.5	5.0	0.5
273	0.027	5.5	9.0	3.0	3.5	5.0	0.5	6.5	11.5	3.5	3.5	5.0	0.5
333	0.033	5.8	9.0	3.5	3.5	5.0	0.5	7.0	11.5	4.0	3.5	5.0	0.5
393	0.039	6.5	9.0	3.5	5.0	5.0	0.5	8.0	12.0	4.0	5.0	5.0	0.5
473	0.047	7.0	9.0	3.5	5.0	5.0	0.5	8.0	12.0	4.0	5.0	5.0	0.5
563	0.056	7.0	9.5	4.0	5.0	5.0	0.5	7.5	12.5	5.0	5.0	5.0	0.5
683	0.068	7.5	9.5	4.5	5.0	5.0	0.5	7.5	12.5	5.0	5.0	5.0	0.5
823	0.082	8.0	9.5	4.5	5.0	5.0	0.5	8.5	12.5	5.8	5.0	5.0	0.5
104	0.10	8.3	9.5	5.0	5.0	5.0	0.5	8.5	12.5	5.8	5.0	5.0	0.5
124	0.12	7.8	11.0	5.0	5.0	5.0	0.5	11.0	12.5	6.0	7.5	5.0/7.5	0.5
154	0.15	8.5	11.5	5.5	5.0	5.0	0.5	12.5	14.0	6.0	10.0	5.0/7.5	0.5
184	0.18							13.0	14.0	6.5	10.0	5.0/7.5	0.5
224	0.22							13.5	14.0	6.5	10.0	5.0/7.5	0.5
274	0.27							13.5	17.0	7.0	10.0	5.0/7.5	0.6
334	0.33							14.5	17.0	8.0	10.0	5.0/7.5	0.6
394	0.39							15.0	17.0	8.5	10.0	5.0/7.5	0.6
474	0.47							16.0	17.0	9.5	10.0	5.0/7.5	0.6

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 Type **AMZ**

## Dimensions(mm)

Capacitors Code	Cap(μF)	AMZ 250V.dc						AMZ 400V.dc					
		W	H	T	P	F	φd	W	H	T	P	F	φd
102	0.0010	5.3	10.0	2.8	3.5	5.0	0.5	6.5	11.0	3.5	4.0	5.0	0.5
122	0.0012	5.3	11.0	2.8	3.5	5.0	0.5	6.5	11.0	3.5	4.0	5.0	0.5
152	0.0015	5.3	11.0	2.8	3.5	5.0	0.5	6.5	11.0	3.5	4.0	5.0	0.5
182	0.0018	5.3	11.0	2.8	3.5	5.0	0.5	7.0	11.0	4.0	4.0	5.0	0.5
222	0.0022	5.3	11.0	2.5	3.5	5.0	0.5	7.0	11.5	4.0	4.0	5.0	0.5
272	0.0027	5.3	11.0	2.5	3.5	5.0	0.5	7.5	11.5	4.0	5.0	5.0	0.5
332	0.0033	5.3	11.0	2.5	3.5	5.0	0.5	7.5	11.5	4.0	5.0	5.0	0.5
392	0.0039	5.8	11.0	2.8	3.5	5.0	0.5	8.5	13.0	4.5	6.0	5.0	0.5
472	0.0047	5.8	11.0	2.8	3.5	5.0	0.5	8.5	13.0	4.5	6.0	5.0	0.5
562	0.0056	6.8	11.0	3.0	5.0	5.0	0.5	8.5	13.0	4.5	6.0	5.0	0.5
682	0.0068	7.0	11.0	3.3	5.0	5.0	0.5	9.0	13.0	4.5	6.0	5.0	0.5
822	0.0082	7.3	12.0	3.3	5.0	5.0	0.5	9.5	13.5	5.5	6.0	5.0	0.5
103	0.010	7.3	12.0	3.3	5.0	5.0	0.5	9.5	13.5	5.5	6.5	5.0	0.5
123	0.012	7.3	12.0	3.5	5.5	5.0	0.5	10.0	14.0	6.0	7.0	5.0/7.5	0.5
153	0.015	7.5	12.0	3.5	5.5	5.0	0.5	11.0	14.0	6.5	7.5	5.0/7.5	0.5
183	0.018	7.8	12.0	3.8	6.0	5.0	0.5	11.5	16.0	6.5	7.0	5.0/7.5	0.6
223	0.022	8.3	12.0	4.0	6.0	5.0	0.5	11.5	16.5	6.5	7.0	5.0/7.5	0.6
273	0.027	9.0	12.0	4.5	6.0	5.0	0.5	12.5	18.5	7.0	8.0	5.0/7.5	0.6
333	0.033	9.0	12.5	4.5	6.5	5.0	0.5	12.5	19.0	7.0	8.5	5.0/7.5	0.6
393	0.039	9.8	12.5	5.3	6.5	5.0/7.5	0.5	14.0	19.5	7.5	9.0	5.0/7.5	0.6
473	0.047	11.5	15.5	6.5	7.5	5.0/7.5	0.6	14.0	20.0	8.0	9.5	5.0/7.5	0.6
563	0.056	12.0	17.0	7.0	7.5	5.0/7.5	0.6	15.0	20.5	9.0	10.0	5.0/7.5	0.6
683	0.068	13.0	19.0	7.0	8.5	5.0/7.5	0.6	16.0	21.0	9.5	11.0	5.0/7.5	0.6
823	0.082	14.0	19.0	7.5	9.5	5.0/7.5	0.6	17.0	21.0	11.0	11.5	5.0/7.5	0.6
104	0.10	14.3	19.0	7.5	10.0	5.0/7.5	0.6	18.0	22.5	10.0	12.5	10.0	0.6
124	0.12	16.0	20.0	9.5	10.5	5.0/7.5	0.6	19.0	22.5	11.0	12.5	10.0	0.6
154	0.15	16.0	20.0	9.5	11.0	5.0/7.5	0.6						
184	0.18	18.0	22.0	10.5	12.0	7.5/10.0	0.6						
224	0.22	18.5	22.5	10.5	12.5	7.5/10.0	0.6						

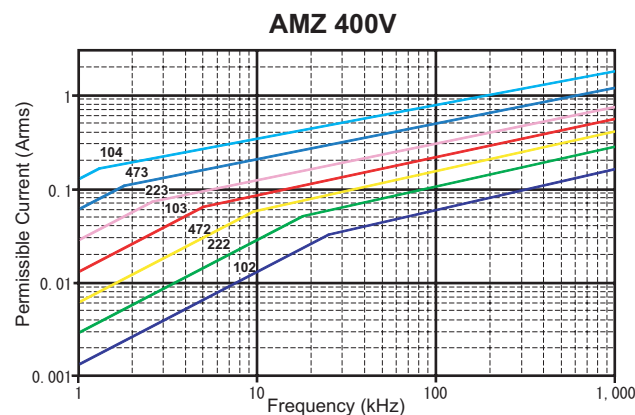
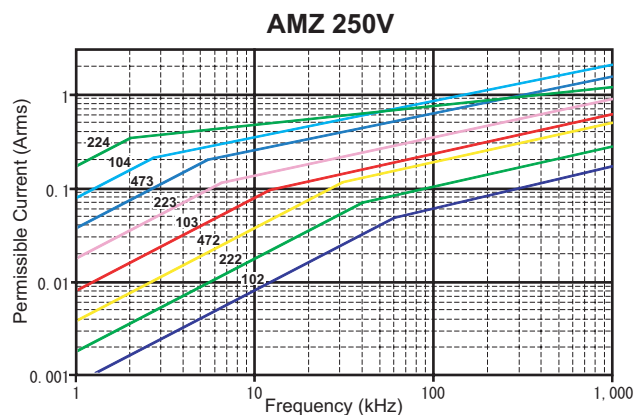
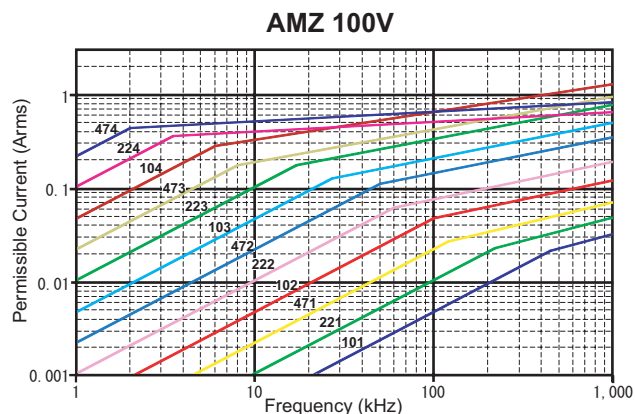
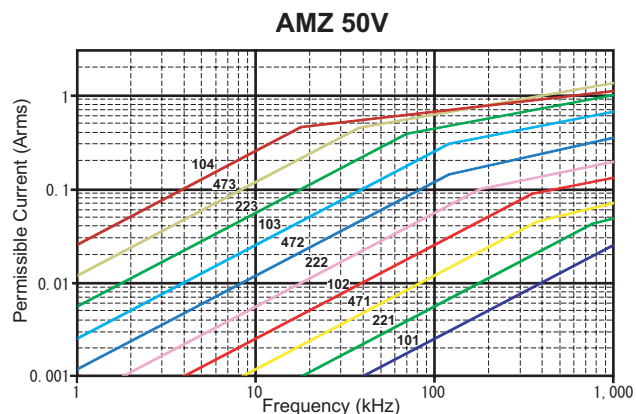
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Type **AMZ**

## Characteristics of permissible current to frequency



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