

Metallized film capacitor

MDD 5P, 7.5P SERIES

Please request specifications for consideration.
If you send the email to "Contact us", we will send it.

General use 5, 7.5mm pitch

Metallized PP film capacitor

★ Performance

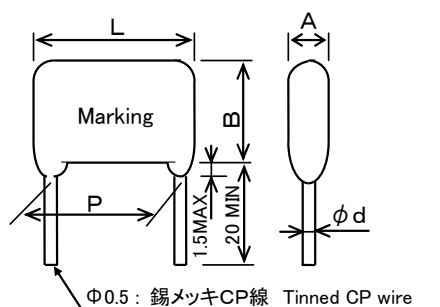
Item	Performance
Temperature range	-40~+85°C (+105°C) (Derate the voltage at +85~+105°C)
Rated Voltage (U _R)	50VDC, 250VDC
Capacitance range	0.01 ~ 2.2 μF
Capacitance tolerance	±10%(K)
Insulation resistance (IR)	C ≤ 0.33μF : ≥ 9000 MΩ C > 0.33μF : ≥ 3000 Ω · F Rated Voltage : 50VDC (50 VDC for 1min) Rated Voltage : 250VDC: (100 VDC for 1min)
tanδ	≤ 0.001 (1kHz)



★ Standard dimensions table (MDD 5, 7.5P)

Parts cord	Rated voltage (V _{DC})	Capacitance (μF)	Cap. tolerance (%)	Dimensions (mm)					Permissible Current (Peak) I _{op} (A)	Taping PCS/Package
				A max	B max	L max	P ±0.75	φd		
MDD21H104K5	50VDC	0.1	±10	4.0	6.7	7.8	5.0	0.5	1.3	2000
MDD21H154K5		0.15		4.0	6.7	7.8	5.0	0.5	1.5	2000
MDD21H224K5		0.22		4.4	7.2	7.8	5.0	0.5	2.2	1500
MDD21H334K5		0.33		4.4	8.4	7.8	5.0	0.5	3.1	1500
MDD21H474K5		0.47		5.1	9.1	7.8	5.0	0.5	4.7	1250
MDD21H684K5		0.68		6.0	9.9	7.8	5.0	0.5	6.8	1000
MDD21H105K5		1.0		6.3	11.5	7.8	5.0	0.5	10.0	1000
MDD22E103K5	250VDC	0.01	±10	3.0	6.5	7.8	5.0	0.5	0.32	2000
MDD22E153K5		0.015		3.6	7.1	7.8	5.0	0.5	0.48	1750
MDD22E223K5		0.022		4.2	7.4	7.8	5.0	0.5	0.70	1750
MDD22E333K5		0.033		4.7	8.6	7.8	5.0	0.5	1.1	1500
MDD22E473K5		0.047		5.4	9.3	7.8	5.0	0.5	1.5	1250
MDD22E683K5		0.068		6.1	10.7	7.8	5.0	0.5	2.2	1000
MDD21H334K7.5	50VDC	0.33	±10	4.0	7.1	10.0	7.5	0.5	2.0	2000
MDD21H474K7.5		0.47		4.2	8.1	10.0	7.5	0.5	2.8	1750
MDD21H684K7.5		0.68		4.8	8.8	10.0	7.5	0.5	4.1	1500
MDD21H105K7.5		1.0		5.4	10.1	10.0	7.5	0.5	6.0	1250
MDD21H155K7.5		1.5		6.5	11.2	10.0	7.5	0.5	9.0	1000
MDD21H225K7.5		2.2		7.6	12.8	10.0	7.5	0.5	13.2	900
MDD22E333K7.5	250VDC	0.033	±10	4.1	7.0	10.0	7.5	0.5	0.63	2000
MDD22E473K7.5		0.047		4.5	8.0	10.0	7.5	0.5	0.90	1500
MDD22E683K7.5		0.068		4.7	8.6	10.0	7.5	0.5	1.3	1500
MDD22E104K7.5		0.1		5.3	10.0	10.0	7.5	0.5	1.9	1250
MDD22E154K7.5		0.15		6.3	11.0	10.0	7.5	0.5	2.9	1000

■ Component outline



Metallized film capacitor

AC RATED VOLTAGE

Table-1

DC rated voltage	AC rated voltage※1 (50/60Hz)
50 VDC	32 VAC
250 VDC	125 VAC

※1

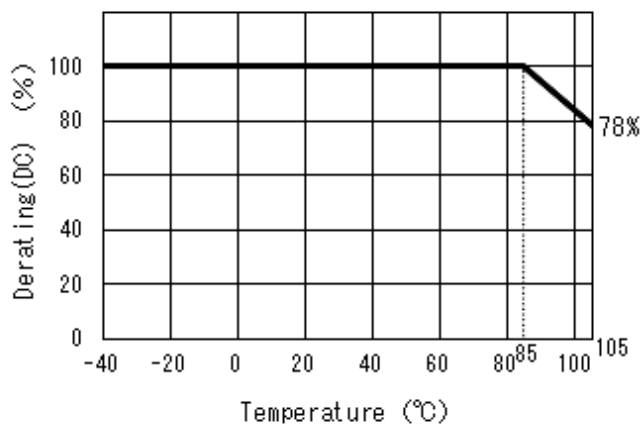
Permit +10% for voltage change.

Do not use the capacitor at primary of

THE RELATION BETWEEN MAX OPERATING VOLTAGE AND OPERATING TEMPERATURE

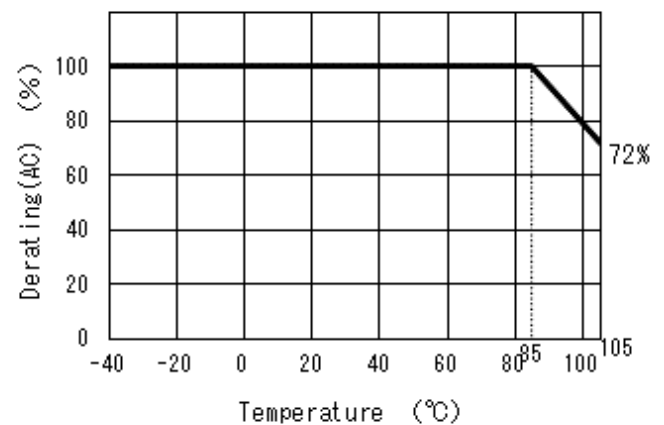
$$\text{Derating (\%)} = \frac{\text{Operating voltage}}{\text{Rated voltage}} \times 100$$

DC



AC

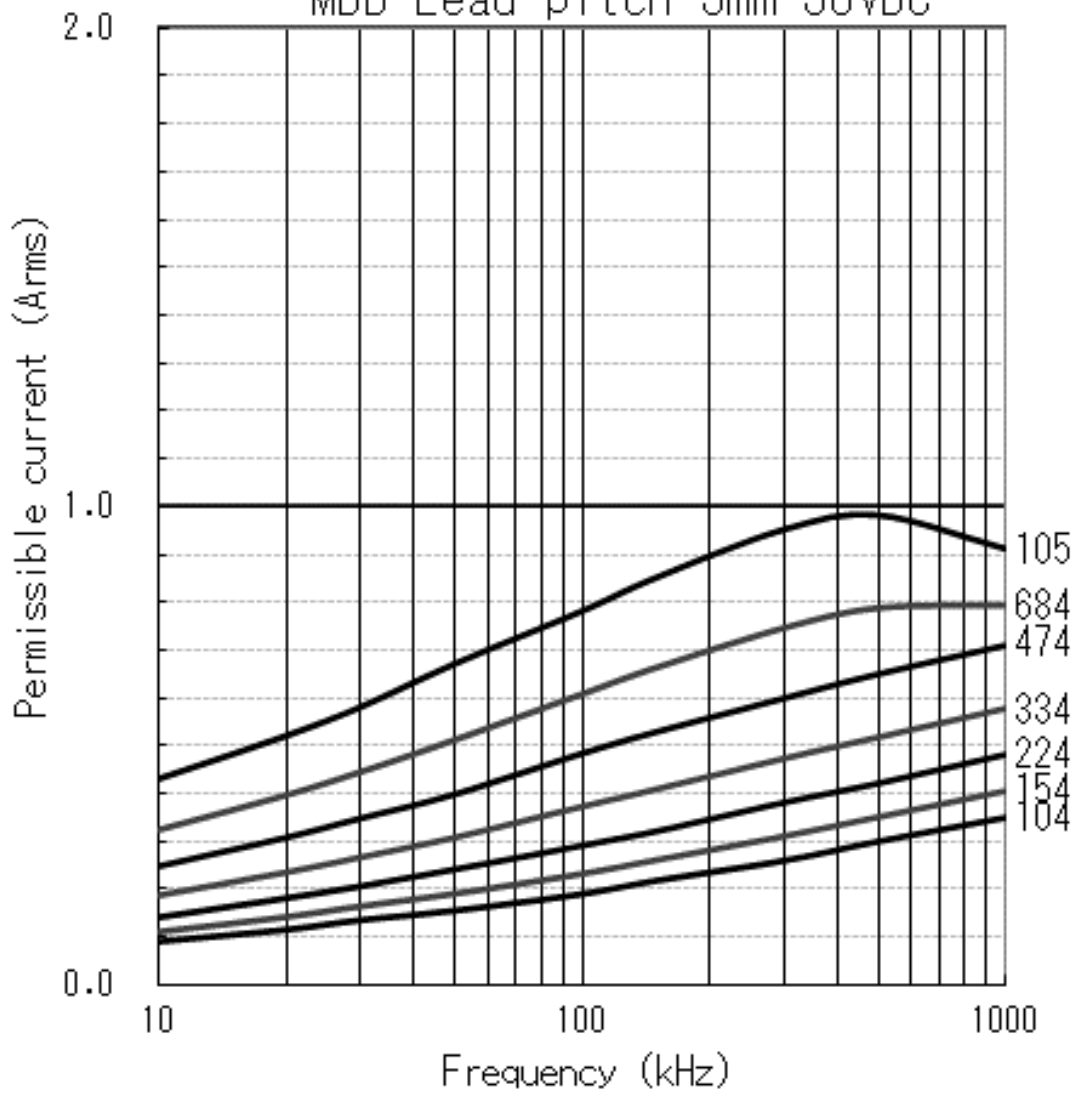
AC Rated voltage is shown in table-1



Metallized film capacitor

Permissible current(Effective value)
VS Frequency

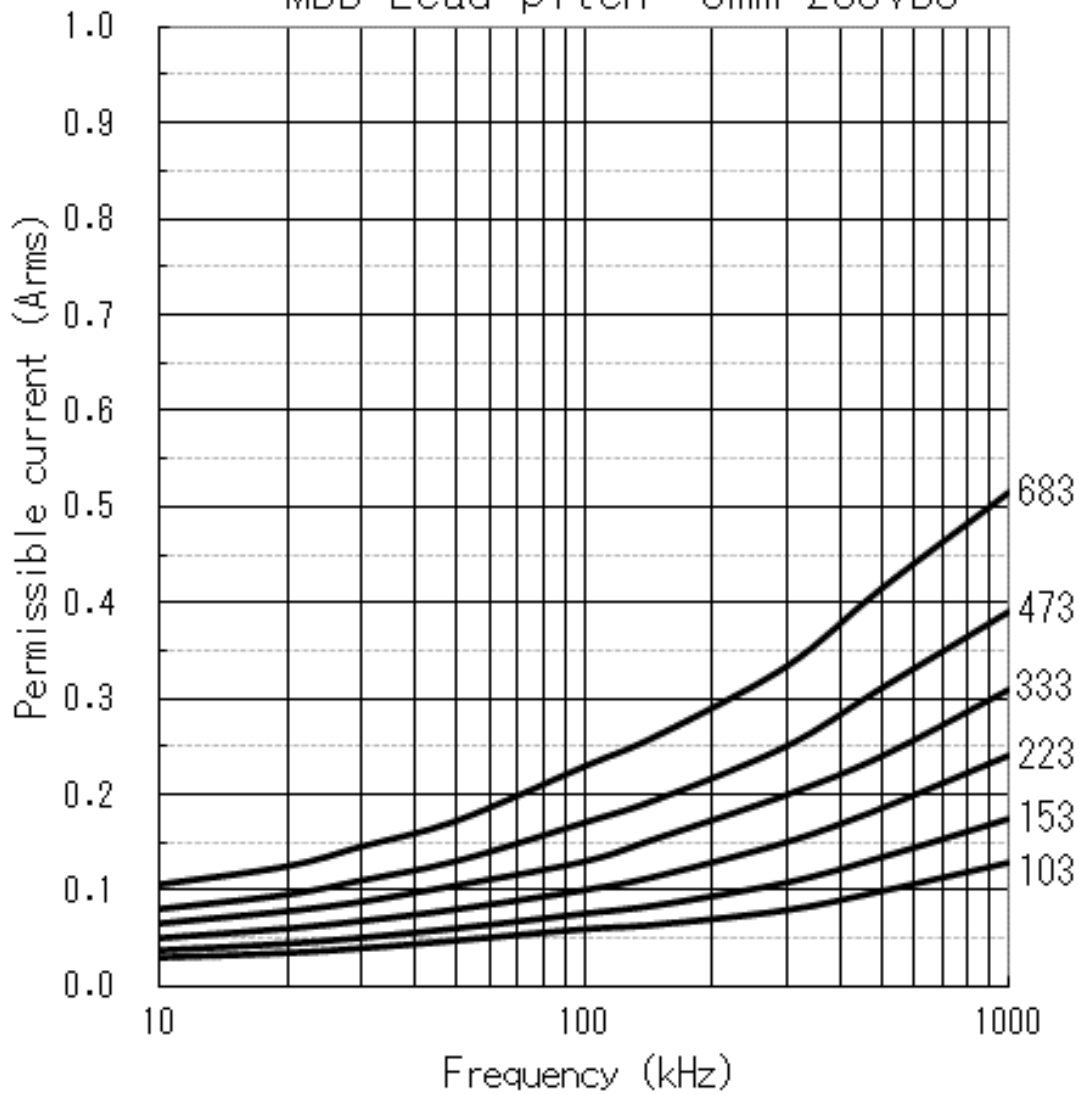
MDD Lead pitch 5mm 50VDC



Metallized film capacitor

Permissible current(Effective value)
VS Frequency

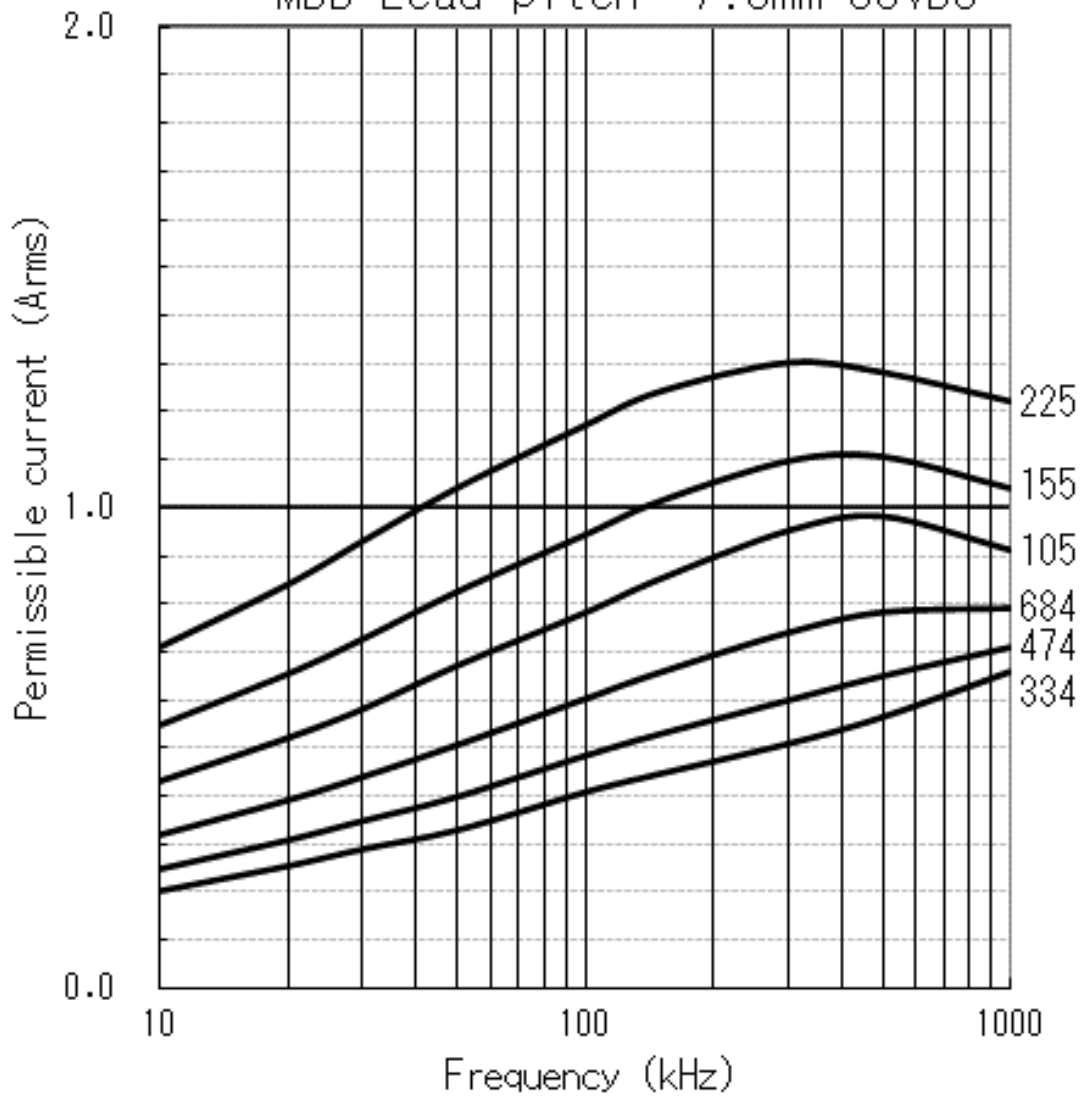
MDD Lead pitch 5mm 250VDC



Metallized film capacitor

Permissible current(Effective value)
VS Frequency

MDD Lead pitch 7.5mm 50VDC



Metallized film capacitor

Permissible current(Effective value)
VS Frequency

MDD Lead pitch 7.5mm 250VDC

