



The DNA of tech.™

RFI CAPACITORS

Capacitors



	F340X1 480 V_{AC}	F339X1 480 V_{AC}	F340X2 305 V_{AC}	F339X2 305 V_{AC}	MKP339 X2 310 V_{AC}	F340Y2 305 V_{AC}	MKP338 6 Y2 300 V_{AC}
Safety Class	X1	X1	X2	X2	X2	Y2	Y2
Impulse Peak Voltage	4 kV	4 kV	2.5 kV	2.5 kV	2.5 kV	5 kV	5 kV
Automotive Grade	AEC-Q200	AEC-Q200 (pitch: 10 mm to 22.5 mm)	No	AEC-Q200	AEC-Q200	AEC-Q200	AEC-Q200
Rated Voltages	480 V _{AC} (permissible up to 530 V _{AC})	480 V _{AC}	305 V _{AC}	305 V _{AC}	310 V _{AC}	305 V _{AC}	300 V _{AC}
Permissible DC Voltage	1000 V _{DC} at 85 °C, 800 V _{DC} at 105 °C	1000 V _{DC} at 85 °C, 800 V _{DC} at 110 °C	850 V _{DC} at 85 °C, 630 V _{DC} at 105 °C	850 V _{DC} at 85 °C, 630 V _{DC} at 105 °C	800 V _{DC} at 85 °C, 630 V _{DC} at 110 °C	1250 V _{DC} at 85 °C, 1000 V _{DC} at 105 °C	1250 V _{DC} at 85 °C, 1000 V _{DC} at 105 °C
Maximum Capacitance	8.2 µF	1 µF	20 µF	4.7 µF	4.7 µF	1 µF	470 nF
Maximum Operation Temperature	105 °C	105 °C	105 °C	105 °C	125 °C	125 °C	125 °C
THB Rating	Grade IIIB certified (85 °C / 85 % R.H. / 1000 h / U _{NAC})	Withstands 85 °C / 85 % RH / 500 h / 400 V _{AC}	Grade IIIB certified (85 °C / 85 % R.H. / 1000 h / U _{NAC})	Grade IIB certified (85 °C / 85 % R.H. / 500 h / U _{NAC}), withstands 85 °C / 85 % RH / 1000 h / 240 V _{AC}	Grade IA compliant (40 °C / 93 % R.H. / 21 days / U _{NAC}), AEC-Q200, (40 °C / 93 % R.H. / 1000 h / U _{NAC})	Grade IIIB certified (85 °C / 85 % R.H. / 1000 h / U _{NAC})	Grade IIB compliant (85 °C / 85 % R.H. / 500 h / U _{NAC})
HiPot Voltage	C ≤ 1 µF: 3400 V _{DC} , 1 min C > 1 µF: 2500 V _{DC} , 1 min	3400 V _{DC} , 1 min	C ≤ 1 µF: 2200 V _{DC} , 1 min C > 1 µF: 1800 V _{DC} , 1 min	C ≤ 1 µF: 2200 V _{DC} , 1 min C > 1 µF: 1800 V _{DC} , 1 min	C ≤ 1 µF: 2200 V _{DC} , 1 min C > 1 µF: 1800 V _{DC} , 1 min	3400 V _{DC} , 1 min	3400 V _{DC} , 1 min
Halogen-Free	Yes	Yes	Yes	No	Under request	No	No

PRODUCT OVERVIEW

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For technical questions, contact rfi@vishay.com