

ALUMINUM ELECTROLYTIC CAPACITORS

HF2 Series

•Life rating to 2,000 hours at 85°C

•Temperature range -40°C to +85°C

Low Profile

•Only 20mm in length

•This model offers R: 2-Claw Terminal as standard



Ripple Current Correction Coefficient

Temperature (°C)	40	60	70	85
160 ~ 450V	1.8	1.4	1.2	1.0

Frequency (Hz)	50/60	120	400	1K	≥10K
160 ~ 450V	0.8	1.0	1.1	1.3	1.4

Rated Voltage (WVDC)	Part Number	Capacitance	Case Size ØD x L (mm)	Maximum Ripple Current (A rms) @85° C,120Hz	Maximum ESR (mΩ)	Typical ESL (nH)
160 Volts (Code: 2C)	HF22C151MRX	150	22 X 20	0.74	682	4
	HF22C221MRX	220	22 X 20	0.98	465	4
	HF22C331MRZ	330	30 X 20	1.31	310	5
	HF22C471MRA	470	35 X 20	1.47	237	5
180 Volts (Code: 2P)	HF22P101MRX	100	22 X 20	0.61	1023	4
	HF22P151MRX	150	22 X 20	0.74	682	4
	HF22P221MRX	220	22 X 20	0.98	465	4
	HF22P331MRZ	330	30 X 20	1.31	310	5
	HF22P471MRA	470	35 X 20	1.47	237	5
200 Volts (Code: 2D)	HF22D101MRX	100	22 X 20	0.61	855	4
	HF22D151MRA	150	35 X 20	0.74	595	4
	HF22D221MRA	220	35 X 20	0.98	423	4
	HF22D331MRA	330	35 X 20	1.23	282	5
250 Volts (Code: 2E)	HF22E101MRX	100	22 X 20	0.61	855	4
	HF22E151MRY	150	25 X 20	0.81	585	4
	HF22E221MRZ	220	30 X 20	1.07	423	5
	HF22E331MRA	330	35 X 20	1.23	282	5
350 Volts (Code: 2V)	HF22V470MRX	47	22 X 20	0.42	1820	4
	HF22V680MRY	68	25 X 20	0.54	1258	4
	HF22V101MRZ	100	30 X 20	0.72	892	5
	HF22V151MRA	150	35 X 20	0.94	595	5
400 Volts (Code: 2G)	HF22G470MRX	47	22 X 20	0.42	1820	4
	HF22G680MSY	68	25 X 20	0.54	1258	4
	HF22G101MRZ	100	30 X 20	0.72	892	5
	HF22G151MRA	150	35 X 20	0.94	595	5
450 Volts (Code: 2W)	HF22W330MRX	33	22 X 20	0.35	2648	4
	HF22W470MRY	47	25 X 20	0.46	1859	4
	HF22W680MRZ	68	30 X 20	0.59	1285	5
	HF22W101MRA	100	35 X 20	0.77	892	5

ALUMINUM ELECTROLYTIC CAPACITORS

HV2 Series • Life rating to 2,000 hours at 105°C • Temperature range -40°C to +105°C

Low Profile • Only 20mm in length



• This model offers R: 2-Claw Terminal as standard

Ripple Current Correction Coefficient

Temperature (°C)	40	60	70	85
160 ~ 450V	1.8	1.4	1.2	1.0

Frequency (Hz)	50/60	120	400	1K	≥10K
160 ~ 450V	0.8	1.0	1.1	1.3	1.4

Rated Voltage (WVDC)	Part Number	Capacitance	Case Size ØD x L (mm)	Maximum Ripple Current (A rms) 105° C, 120Hz	Maximum ESR (mΩ)	Typical ESL (nH)
160 Volts (Code: 2C)	HV22C151MRX	150	22 X 20	0.57	682	4
	HV22C221MRX	220	25 X 20	0.70	465	4
	HV22C331MRZ	330	30 X 20	0.94	310	5
	HV22C471MRA	470	35 X 20	1.19	237	5
180 Volts (Code: 2P)	HV22P101MRX	100	22 X 20	0.46	1023	4
	HV22P151MRX	150	22 X 20	0.57	682	4
	HV22P221MRX	220	25 X 20	0.70	465	4
	HV22P331MRA	330	35 X 20	1.00	310	5
	HV22P471MRA	470	35 X 20	1.19	237	5
200 Volts (Code: 2D)	HV22D101MRX	100	22 X 20	0.46	855	4
	HV22D151MRX	150	25 X 20	0.58	595	4
	HV22D221MRZ	220	30 X 20	0.77	423	5
	HV22D331MRA	330	35 X 20	1.00	282	5
250 Volts (Code: 2E)	HV22E680MRX	68	22 X 20	0.38	855	4
	HV22E101MRX	100	22 X 20	0.46	595	4
	HV22E151MRZ	150	30 X 20	0.63	423	5
	HV22E221MRA	220	35 X 20	0.82	282	5
350 Volts (Code: 2V)	HV22V470MRX	47	22 X 20	0.32	1820	4
	HV22V680MRX	68	25 X 20	0.39	1258	4
	HV22V101MRZ	100	30 X 20	0.52	892	5
	HV22V151MRA	150	35 X 20	0.67	595	5
400 Volts (Code: 2G)	HV22G330MRX	33	22 X 20	0.27	1820	4
	HV22G470MRX	47	25 X 20	0.33	1258	4
	HV22G680MRZ	68	30 X 20	0.43	892	5
	HV22G101MRA	100	35 X 20	0.55	595	5