

PANASONIC SMD Aluminum Electrolytics



RoHS Compliant This product is RoHS compliant.

SMD FC SERIES, TYPE V

Specifications:

- Category Temp. Range: -40°C to +105°C
- Rated W.V. Range: 6.3 V.DC to 35 V.DC
- Nominal Cap Range: 4.7 μ F to 1500 μ F
- Capacitance Tolerance: $\pm 20\%$ (120 Hz/+20°C)
- DC Leakage Current: $1 \leq 0.01$ CV or 3 (μ A) After 2 minutes (Whichever is greater)

Features:

- Endurance: 1000 h at 105°C
- Low impedance (1/2 for HA series)
- Vibration-proof product is available upon request (ø8 ≤)
- RoHS directive compliant



RoHS Compliant

Marking

Negative polarity marking (-)

Capacitance (μ P)

Series identification

Mark for Lead-Free Products Black Dot (Square)

Rated Voltage Mark

Lot number

I	6.3 V
A	10 V
C	16 V
E	25 V
V	35 V

DIMENSIONS: mm (in.) not to scale

Size Code	D	L	A, B	H Max.	I	W	P	K
B	4.0	5.4	4.3	5.5	1.8	0.65 \pm 0.1	1.0	0.35-0.20 to +0.15
C	5.0	5.4	5.3	6.5	2.2	0.65 \pm 0.1	1.5	0.35 \pm 0.20 to +0.15
D	6.3	5.4	6.6	7.8	2.6	0.65 \pm 0.1	1.8	0.35 \pm 0.20 to +0.15
E	8.0	6.2	8.3	9.5	3.4	0.65 \pm 0.1	2.2	0.35 \pm 0.20 to +0.15
F	8.0	10.2	8.3	10.0	3.4	0.90 \pm 0.2	3.1	0.70 \pm 0.20
G	10.0	10.2	10.3	12.0	3.5	0.90 \pm 0.2	4.6	0.70 \pm 0.20

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μ F)	Voltage (VDC)	Case Size		Ripple Current 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	D.F. % @ 120Hz	Price Each			
				Dia. (mm)	Length (mm)				1	50	100	500
667-EEE-FC0J220AR	EEE-FC0J220AR	22	6.3	4.0	5.4	60	0.26	3.0	.52	.29	.186	.158
667-EEE-FC0J470AR	EEE-FC0J470AR	47	6.3	5.0	5.4	95	0.26	1.8	.62	.35	.221	.188
667-EEE-FC0J680AP	EEE-FC0J680AP	68	6.3	6.3	5.4	140	0.26	1.0	.71	.40	.256	.218
667-EEE-FC0J101AP	EEE-FC0J101AP	100	6.3	6.3	5.4	140	0.26	1.0	.73	.41	.261	.222
667-EEE-FC0J221AP	EEE-FC0J221AP	220	6.3	8.0	6.2	230	0.26	0.4	.91	.54	.376	.342
667-EEE-FC0J331AP	EEE-FC0J331AP	330	6.3	8.0	10.2	450	0.26	0.3	.92	.59	.457	.275
667-EEE-FC0J152AP	EEE-FC0J152AP	1500	6.3	10	10.2	670	0.26	0.15	1.07	.72	.569	.336
667-EEE-FC1A330AR	EEE-FC1A330AR	33	10	5.0	5.4	95	0.19	1.8	.60	.34	.216	.184
667-EEE-FC1A101AP	EEE-FC1A101AP	100	10	8.0	6.2	230	0.19	0.4	.91	.54	.376	.342
667-EEE-FC1A151AP	EEE-FC1A151AP	150	10	8.0	6.2	230	0.19	0.4	.89	.53	.369	.336
667-EEE-FC1A221AP	EEE-FC1A221AP	220	10	8.0	10.2	450	0.19	0.3	.92	.59	.457	.275
667-EEE-FC1A471AP	EEE-FC1A471AP	470	10	10	10.2	670	0.19	0.15	1.08	.69	.536	.323
667-EEE-FC1A102AP	EEE-FC1A102AP	1000	10	10	10.2	670	0.19	0.15	1.08	.69	.536	.323
667-EEE-FC1C100AR	EEE-FC1C100AR	10	16	4.0	5.4	60	0.16	3.0	.52	.29	.186	.158
667-EEE-FC1C220AR	EEE-FC1C220AR	22	16	5.0	5.4	95	0.16	1.8	.62	.35	.221	.188
667-EEE-FC1C470AP	EEE-FC1C470AP	47	16	6.3	5.4	140	0.16	1.0	.73	.41	.261	.222
667-EEE-FC1C680AP	EEE-FC1C680AP	68	16	8.0	6.2	230	0.16	0.4	.89	.53	.369	.336
667-EEE-FC1C101AP	EEE-FC1C101AP	100	16	8.0	6.2	230	0.16	0.4	.91	.54	.376	.342
667-EEE-FC1C221AP	EEE-FC1C221AP	220	16	10	10.2	670	0.16	0.15	1.08	.69	.536	.323
667-EEE-FC1C331AP	EEE-FC1C331AP	330	16	10	10.2	670	0.16	0.15	1.06	.67	.526	.317
667-EEE-FC1C471AP	EEE-FC1C471AP	470	16	10	10.2	670	0.16	0.15	1.08	.69	.536	.323
667-EEE-FC1C681AP	EEE-FC1C681AP	680	16	10	10.2	670	0.16	0.15	1.07	.72	.569	.336
667-EEE-FC1E6R8AR	EEE-FC1E6R8AR	6.8	25	4.0	5.4	60	0.14	3.0	.51	.28	.182	.155
667-EEE-FC1E220AP	EEE-FC1E220AP	22	25	6.3	5.4	140	0.14	1.0	.73	.41	.261	.222
667-EEE-FC1E330AP	EEE-FC1E330AP	33	25	6.3	5.4	140	0.14	1.0	.71	.40	.256	.218
667-EEE-FC1E470AP	EEE-FC1E470AP	47	25	8.0	6.2	230	0.14	0.4	.91	.54	.376	.342
667-EEE-FC1E680AP	EEE-FC1E680AP	68	25	8.0	10.2	450	0.14	0.3	.90	.57	.448	.269
667-EEE-FC1E101AP	EEE-FC1E101AP	100	25	8.0	10.2	450	0.14	0.3	.92	.59	.457	.275
667-EEE-FC1E221AP	EEE-FC1E221AP	220	25	10	10.2	670	0.14	0.15	1.08	.69	.536	.323
667-EEE-FC1E331AP	EEE-FC1E331AP	330	25	10	10.2	670	0.14	0.15	1.08	.69	.536	.323
667-EEE-FC1E471AP	EEE-FC1E471AP	470	25	10	10.2	670	0.14	0.15	1.07	.72	.569	.336
667-EEE-FC1V1R0AR	EEE-FC1V1R0AR	1.0	35	4.0	5.4	60	0.12	3.0	.52	.29	.186	.158
667-EEE-FC1V2R2AR	EEE-FC1V2R2AR	2.2	35	4.0	5.4	60	0.12	3.0	.51	.28	.182	.155
667-EEE-FC1V3R3AR	EEE-FC1V3R3AR	3.3	35	4.0	5.4	60	0.12	3.0	.52	.29	.186	.158
667-EEE-FC1V4R7AR	EEE-FC1V4R7AR	4.7	35	4.0	5.4	60	0.12	3.0	.52	.29	.186	.158
667-EEE-FC1V6R8AR	EEE-FC1V6R8AR	6.8	35	5.0	5.4	95	0.12	1.8	.60	.34	.216	.184
667-EEE-FC1V100AR	EEE-FC1V100AR	10	35	5.0	5.4	95	0.12	1.8	.62	.35	.221	.188
667-EEE-FC1V330AP	EEE-FC1V330AP	33	35	8.0	6.2	230	0.12	0.4	.91	.54	.376	.342
667-EEE-FC1V101AP	EEE-FC1V101AP	100	35	10	10.2	670	0.12	0.15	1.08	.69	.536	.323
667-EEE-FC1V221AP	EEE-FC1V221AP	220	35	10	10.2	670	0.12	0.15	1.08	.69	.536	.323
667-EEE-FC1V331AP	EEE-FC1V331AP	330	35	10	10.2	670	0.12	0.15	1.07	.72	.569	.336