

PANASONIC SMD Aluminum Electrolytics



RoHS Compliant This product is RoHS compliant.

SMD FP SERIES, TYPE V

Specifications:

- Category Temp. Range: -55°C to +105°C
- Rated W.V. Range: 6.3V.DC to 50V.DC
- Nominal Cap Range: 10µF to 1800µF
- Capacitance Tolerance: ±20% (120Hz/±20°C)
- DC Leakage Current: 1 ≤ 0.01 CV or 3 (µA) After 2 minutes (Whichever is greater)

Features:

- Low ESR (30% to 50% less than FK series)
- Endurance: 2000h at 105°C
- Vibration-proof product is available upon request (ø8 ≤)
- RoHS directive compliant



Marking

Capacitance (µF)
Series identification
Mark for Lead-Free Products Black Dot (Square)
Rated Voltage Mark
Lot number

I	6.3 V	E	25 V
A	10 V	V	35 V
C	16 V	H	50 V

DIMENSIONS: mm (in.) not to scale

Size Code	D	L	A, B	H Max.	I	W	P	K
B	4.0	5.8	4.3	5.5	1.8	0.65±0.1	1.0	0.35-0.20 to +0.15
C	5.0	5.8	5.3	6.5	2.2	0.65±0.1	1.5	0.35±0.20 to +0.15
D	6.3	5.8	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
D8	6.3	7.7	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
E	8.0	6.2	8.3	9.5	3.4	0.65±0.1	2.2	0.35±0.20 to +0.15
F	8.0	10.2	8.3	10.0	3.4	0.90±0.2	3.1	0.70±0.20
G	10.0	10.2	10.3	12.0	3.5	0.90±0.2	4.6	0.70±0.20

Aluminum Caps, SMD Panasonic

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Voltage (VDC)	Case Size (mm)		Ripple Current 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	D.F. % @ 120Hz	Price Each			
				Dia.	Length				1	25	100	500
667-EEE-FP0J220AR	EEE-FP0J220AR	22	6.3	4	5.8	160	0.85	0.26	.66	.376	.314	.20
667-EEE-FP0J470AR	EEE-FP0J470AR	47	6.3	5	5.8	240	0.36	0.26	.60	.359	.314	.224
667-EEE-FPJ470UAR	EEE-FPJ470UAR	47	6.3	4	5.8	160	0.85	0.26	.69	.396	.33	.211
667-EEE-FP0J101AP	EEE-FP0J101AP	100	6.3	6.3	5.8	300	0.26	0.26	.71	.423	.37	.264
667-EEE-FPJ101UAR	EEE-FPJ101UAR	100	6.3	5	5.8	240	0.36	0.26	.63	.378	.331	.236
667-EEE-FP0J221AP	EEE-FP0J221AP	220	6.3	6.3	5.8	300	0.26	0.26	.71	.423	.37	.264
667-EEE-FP0J331AP	EEE-FP0J331AP	330	6.3	8	6.2	500	0.18	0.26	.90	.577	.519	.418
667-EEE-FPJ331XAP	EEE-FPJ331XAP	330	6.3	6.3	7.7	600	0.16	0.26	.96	.578	.505	.214
667-EEE-FP0J471AP	EEE-FP0J471AP	470	6.3	8	10.2	850	0.08	0.26	1.05	.711	.645	.332
667-EEE-FP0J102AP	EEE-FP0J102AP	1000	6.3	8	10.2	850	0.08	0.26	1.05	.706	.641	.329
667-EEE-FP0J152AP	EEE-FP0J152AP	1500	6.3	10	10.2	1190	0.06	0.26	1.23	.828	.751	.385
667-EEE-FPJ182UAP	EEE-FPJ182UAP	1800	6.3	10	10.2	850	0.08	0.26	1.35	.911	.827	.424
667-EEE-FP1A220AR	EEE-FP1A220AR	22	10	4	5.8	160	0.85	0.19	.66	.376	.314	.20
667-EEE-FP1A330AR	EEE-FP1A330AR	33	10	5	5.8	240	0.36	0.19	.60	.359	.314	.224
667-EEE-FPA330UAR	EEE-FPA330UAR	33	10	4	5.8	160	0.85	0.19	.69	.396	.33	.211
667-EEE-FP1A151AP	EEE-FP1A151AP	150	10	6.3	5.8	300	0.26	0.19	.71	.423	.37	.264
667-EEE-FP1A221AP	EEE-FP1A221AP	220	10	8	6.2	500	0.18	0.19	.90	.577	.519	.418
667-EEE-FPA221XAP	EEE-FPA221XAP	220	10	6.3	7.7	600	0.16	0.19	.96	.578	.505	.214
667-EEE-FP1A331AP	EEE-FP1A331AP	330	10	8	10.2	850	0.08	0.19	1.05	.711	.645	.332
667-EEE-FP1A471AP	EEE-FP1A471AP	470	10	8	10.2	850	0.08	0.19	1.05	.711	.645	.332
667-EEE-FP1A681AP	EEE-FP1A681AP	680	10	8	10.2	850	0.08	0.19	1.05	.706	.641	.329
667-EEE-FP1A102AP	EEE-FP1A102AP	1000	10	10	10.2	1190	0.06	0.19	1.23	.828	.751	.385
667-EEE-FPA122UAP	EEE-FPA122UAP	1200	10	10	10.2	850	0.08	0.19	1.35	.911	.827	.424
667-EEE-FP1C100AR	EEE-FP1C100AR	10	16	4	5.8	160	0.85	0.16	.66	.376	.314	.20
667-EEE-FP1C220AR	EEE-FP1C220AR	22	16	5	5.8	240	0.36	0.16	.60	.359	.314	.224
667-EEE-FPC220UAR	EEE-FPC220UAR	22	16	4	5.8	160	0.85	0.16	.69	.396	.33	.211
667-EEE-FP1C470AP	EEE-FP1C470AP	47	16	6.3	5.8	300	0.26	0.16	.71	.423	.37	.264
667-EEE-FPC470UAR	EEE-FPC470UAR	47	16	5	5.8	240	0.36	0.16	.63	.378	.331	.236
667-EEE-FP1C680AP	EEE-FP1C680AP	68	16	6.3	5.8	300	0.26	0.16	.71	.423	.37	.264
667-EEE-FP1C101AP	EEE-FP1C101AP	100	16	6.3	5.8	300	0.26	0.16	.71	.423	.37	.264
667-EEE-FPC101XAP	EEE-FPC101XAP	100	16	6.3	7.7	600	0.16	0.16	.96	.578	.505	.214
667-EEE-FPC151XAP	EEE-FPC151XAP	150	16	6.3	7.7	600	0.16	0.16	.96	.578	.505	.214
667-EEE-FP1C221AP	EEE-FP1C221AP	220	16	8	6.2	500	0.18	0.16	.90	.577	.519	.418
667-EEE-FPC221XAP	EEE-FPC221XAP	220	16	6.3	7.7	600	0.16	0.16	.96	.578	.505	.214
667-EEE-FP1C331AP	EEE-FP1C331AP	330	16	8	10.2	850	0.08	0.16	1.05	.711	.645	.332
667-EEE-FP1C471AP	EEE-FP1C471AP	470	16	8	10.2	850	0.08	0.16	1.05	.706	.641	.329
667-EEE-FP1C681AP	EEE-FP1C681AP	680	16	10	10.2	1190	0.06	0.16	1.23	.828	.751	.385
667-EEE-FPC821UAP	EEE-FPC821UAP	820	16	10	10.2	850	0.08	0.16	1.35	.911	.827	.424
667-EEE-FP1E100AR	EEE-FP1E100AR	10	25	4	5.8	160	0.85	0.14	.66	.376	.314	.20
667-EEE-FP1E220AR	EEE-FP1E220AR	22	25	5	5.8	240	0.36	0.14	.60	.359	.314	.224
667-EEE-FP1E330AP	EEE-FP1E330AP	33	25	6.3	5.8	300	0.26	0.14	.71	.423	.37	.264
667-EEE-FPE330UAR	EEE-FPE330UAR	33	25	5	5.8	240	0.36	0.14	.63	.378	.331	.236
667-EEE-FP1E470AP	EEE-FP1E470AP	47	25	6.3	5.8	300	0.26	0.14	.71	.423	.37	.264
667-EEE-FP1E680AP	EEE-FP1E680AP	68	25	6.3	5.8	300	0.26	0.14	.71	.423	.37	.264
667-EEE-FP1E101AP	EEE-FP1E101AP	100	25	8	6.2	500	0.18	0.14	.90	.577	.519	.418
667-EEE-FPE101XAP	EEE-FPE101XAP	100	25	6.3	7.7	600	0.16	0.14	.96	.578	.505	.214
667-EEE-FP1E151AP	EEE-FP1E151AP	150	25	8	10.2	850	0.08	0.14	1.05	.711	.645	.332
667-EEE-FP1E221AP	EEE-FP1E221AP	220	25	8	10.2	850	0.08	0.14	1.05	.711	.645	.332
667-EEE-FP1E331AP	EEE-FP1E331AP	330	25	8	10.2	850	0.08	0.14	1.05	.706	.641	.329
667-EEE-FP1E471AP	EEE-FP1E471AP	470	25	10	10.2	1190	0.06	0.14	1.23	.828	.751	.385
667-EEE-FPE561UAP	EEE-FPE561UAP	560	25	10	10.2	850	0.08	0.14	1.35	.911	.827	.424
667-EEE-FPV100UAR	EEE-FPV100UAR	10	35	4	5.8	160	0.85	0.12	.69	.396	.33	.211
667-EEE-FP1V220AR	EEE-FP1V220AR	22	35	5	5.8	240	0.36	0.12	.60	.359	.314	.224
667-EEE-FP1V330AP	EEE-FP1V330AP	33	35	6.3	5.8	300	0.26	0.12	.71	.423	.37	.264
667-EEE-FP1V470AP	EEE-FP1V470AP	47	35	6.3	5.8	300	0.26	0.12	.71	.423	.37	.264
667-EEE-FPV680XAP	EEE-FPV680XAP	68	35	6.3	7.7	600	0.16	0.12	.90	.577	.519	.242
667-EEE-FP1V101AP	EEE-FP1V101AP	100	35	8	10.2	850	0.08	0.12	1.05	.706	.641	.329
667-EEE-FPV101XAP	EEE-FPV101XAP	100	35	6.3	7.7	600	0.16	0.12	.90	.577	.519	.242
667-EEE-FP1V151AP	EEE-FP1V151AP	150	35	8	10.2	850	0.08	0.12	1.05	.706	.641	.329
667-EEE-FP1V221AP	EEE-FP1V221AP	220	35	8	10.2	850	0.08	0.12	1.05	.706	.641	.329
667-EEE-FP1V331AP	EEE-FP1V331AP	330	35	10	10.2	1190	0.06	0.12	1.23	.828	.751	.385
667-EEE-FPV391UAP	EEE-FPV391UAP	390	35	10	10.2	850	0.08	0.12	1.35	.911	.827	.424
667-EEE-FP1H101AP	EEE-FP1H101AP	100	50	8	10.2	670	0.18	0.10	1.03	.701	.635	.516
667-EEE-FP1H221AP	EEE-FP1H221AP	220	50	10	10.2	900	0.12	0.10	1.39	.945	.857	.695