

PANASONIC SMD Aluminum Electrolytics



RoHS Compliant This product is RoHS compliant.

SMD FK SERIES, TYPE V

Specifications:

- Category Temp. Range: -55°C to +105°C
- Rated W.V. Range: 6.3V.DC to 35V.DC
- Nominal Cap Range: 4.7µF to 1500µF
- Capacitance Tolerance: ±20% (120Hz/+20°C)
- DC Leakage Current: 1 ≤ 0.01 CV or 3 (µA) After 2 minutes (Whichever is greater)

Features:

- Endurance: 2000h at 105°C
- Low ESR (40% to 60% less than FC series)
- Miniaturized (30% to 50% less than FC Series)
- Vibration-proof product is available upon request (ø8 ≤)
- RoHS directive compliant



RoHS Compliant

Marking

Rated Voltage Mark

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	5.8	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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	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	25	100	500
667-EEE-FK0J220AR	EEE-FK0J220AR	22	6.3	4	5.8	90	1.35	0.26	.60	.34	.284	.181
667-EEE-FKJ470UAR	EEE-FKJ470UAR	47	6.3	4	5.8	90	1.35	0.26	.60	.34	.284	.181
667-EEE-FK0J470AR	EEE-FK0J470AR	47	6.3	5	5.8	160	0.7	0.26	.71	.405	.338	.216
667-EEE-FKJ101UAR	EEE-FKJ101UAR	100	6.3	5	5.8	160	0.7	0.26	.71	.405	.338	.216
667-EEE-FK0J101AP	EEE-FK0J101AP	100	6.3	6.3	5.8	240	0.36	0.26	.64	.382	.334	.238
667-EEE-FK0J221AP	EEE-FK0J221AP	220	6.3	6.3	5.8	240	0.36	0.26	.64	.382	.334	.238
667-EEE-FKJ331XAP	EEE-FKJ331XAP	330	6.3	6.3	7.7	280	0.34	0.26	.87	.52	.455	.192
667-EEE-FK0J331AP	EEE-FK0J331AP	330	6.3	8	6.2	300	0.26	0.26	.81	.52	.468	.377
667-EEE-FK0J471AP	EEE-FK0J471AP	470	6.3	8	10.2	600	0.16	0.26	1.06	.675	.608	.315
667-EEE-FK0J102AP	EEE-FK0J102AP	1000	6.3	8	10.2	600	0.16	0.26	1.06	.675	.608	.315
667-EEE-FK0J152AP	EEE-FK0J152AP	1500	6.3	10	10.2	850	0.08	0.26	1.11	.751	.682	.349
667-EEE-FK1A220AR	EEE-FK1A220AR	22	10	4	5.8	90	1.35	0.19	.60	.34	.284	.181
667-EEE-FKA330UAR	EEE-FKA330UAR	33	10	4	5.8	90	1.35	0.19	.60	.34	.284	.181
667-EEE-FK1A330AR	EEE-FK1A330AR	33	10	5	5.8	160	0.7	0.19	.71	.405	.338	.216
667-EEE-FK1A151AP	EEE-FK1A151AP	150	10	6.3	5.8	240	0.36	0.19	.64	.382	.334	.238
667-EEE-FKA221XAP	EEE-FKA221XAP	220	10	6.3	7.7	280	0.34	0.19	.87	.52	.455	.192
667-EEE-FK1A221AP	EEE-FK1A221AP	220	10	8	6.2	300	0.26	0.19	.81	.52	.468	.377
667-EEE-FK1A331AP	EEE-FK1A331AP	330	10	8	10.2	600	0.16	0.19	1.06	.675	.608	.315
667-EEE-FK1A471AP	EEE-FK1A471AP	470	10	8	10.2	600	0.16	0.19	1.06	.675	.608	.315
667-EEE-FK1A681AP	EEE-FK1A681AP	680	10	8	10.2	600	0.16	0.19	1.06	.675	.608	.315
667-EEE-FK1A102AP	EEE-FK1A102AP	1000	10	10	10.2	850	0.08	0.19	1.11	.751	.682	.349
667-EEE-FK1C100AR	EEE-FK1C100AR	10	16	4	5.8	90	1.35	0.16	.60	.34	.284	.181
667-EEE-FKC220UAR	EEE-FKC220UAR	22	16	4	5.8	90	1.35	0.16	.60	.34	.284	.181
667-EEE-FK1C220AR	EEE-FK1C220AR	22	16	5	5.8	160	0.7	0.16	.71	.405	.338	.216
667-EEE-FKC470UAR	EEE-FKC470UAR	47	16	5	5.8	160	0.7	0.16	.71	.405	.338	.216
667-EEE-FK1C470AP	EEE-FK1C470AP	47	16	6.3	5.8	240	0.36	0.16	.64	.382	.334	.238
667-EEE-FK1C680AP	EEE-FK1C680AP	68	16	6.3	5.8	240	0.36	0.16	.64	.382	.334	.238
667-EEE-FK1C101AP	EEE-FK1C101AP	100	16	6.3	5.8	240	0.36	0.16	.64	.382	.334	.238
667-EEE-FKC151XAP	EEE-FKC151XAP	150	16	6.3	7.7	280	0.34	0.16	.87	.52	.455	.192
667-EEE-FKC221XAP	EEE-FKC221XAP	220	16	6.3	7.7	280	0.34	0.16	.87	.52	.455	.192
667-EEE-FK1C221AP	EEE-FK1C221AP	220	16	8	6.2	300	0.26	0.16	.81	.52	.468	.377
667-EEE-FK1C331AP	EEE-FK1C331AP	330	16	8	10.2	600	0.16	0.16	1.06	.675	.608	.315
667-EEE-FK1C471AP	EEE-FK1C471AP	470	16	8	10.2	600	0.16	0.16	1.06	.675	.608	.315
667-EEE-FK1C681AP	EEE-FK1C681AP	680	16	10	10.2	850	0.08	0.16	1.11	.751	.682	.349
667-EEE-FK1E100AR	EEE-FK1E100AR	10	25	4	5.8	90	1.35	0.14	.60	.34	.284	.181
667-EEE-FK1E220AR	EEE-FK1E220AR	22	25	5	5.8	160	0.7	0.14	.71	.405	.338	.216
667-EEE-FKE330UAR	EEE-FKE330UAR	33	25	5	5.8	160	0.7	0.14	.71	.405	.338	.216
667-EEE-FK1E330AP	EEE-FK1E330AP	33	25	6.3	5.8	240	0.36	0.14	.64	.382	.334	.238
667-EEE-FK1E470AP	EEE-FK1E470AP	47	25	6.3	5.8	240	0.36	0.14	.64	.382	.334	.238
667-EEE-FK1E680AP	EEE-FK1E680AP	68	25	6.3	5.8	240	0.36	0.14	.64	.382	.334	.238
667-EEE-FKE101XAP	EEE-FKE101XAP	100	25	6.3	7.7	280	0.34	0.14	.87	.52	.455	.192
667-EEE-FK1E101AP	EEE-FK1E101AP	100	25	8	6.2	300	0.26	0.14	.81	.52	.468	.377
667-EEE-FK1E151AP	EEE-FK1E151AP	150	25	8	10.2	600	0.16	0.14	1.06	.675	.608	.315
667-EEE-FK1E221AP	EEE-FK1E221AP	220	25	8	10.2	600	0.16	0.14	1.06	.675	.608	.315
667-EEE-FK1E331AP	EEE-FK1E331AP	330	25	8	10.2	600	0.16	0.14	1.06	.675	.608	.315
667-EEE-FK1E471AP	EEE-FK1E471AP	470	25	10	10.2	850	0.08	0.14	1.11	.751	.682	.349
667-EEE-FK1V4R7AR	EEE-FK1V4R7AR	4.7	35	4	5.8	90	1.35	0.12	.60	.34	.284	.181
667-EEE-FKV100UAR	EEE-FKV100UAR	10	35	4	5.8	90	1.35	0.12	.60	.34	.284	.181
667-EEE-FK1V100AR	EEE-FK1V100AR	10	35	5	5.8	160	0.7	0.12	.71	.405	.338	.216
667-EEE-FK1V220AR	EEE-FK1V220AR	22	35	5	5.8	160	0.7	0.12	.71	.405	.338	.216
667-EEE-FK1V330AP	EEE-FK1V330AP	33	35	6.3	5.8	240	0.36	0.12	.64	.382	.334	.238
667-EEE-FK1V470AP	EEE-FK1V470AP	47	35	6.3	5.8	240	0.36	0.12	.64	.382	.334	.238
667-EEE-FKV680XAP	EEE-FKV680XAP	68	35	6.3	7.7	280	0.34	0.12	.87	.52	.455	.192
667-EEE-FK1V101AP	EEE-FK1V101AP	100	35	8	10.2	600	0.16	0.12	1.06	.675	.608	.315
667-EEE-FK1V151AP	EEE-FK1V151AP	150	35	8	10.2	600	0.16	0.12	1.06	.675	.608	.315
667-EEE-FK1V221AP	EEE-FK1V221AP	220	35	8	10.2	600	0.16	0.12	1.06	.675	.608	.315
667-EEE-FK1V331AP	EEE-FK1V331AP	330	35	10	10.2	850	0.08	0.12	1.11	.751	.682	.349