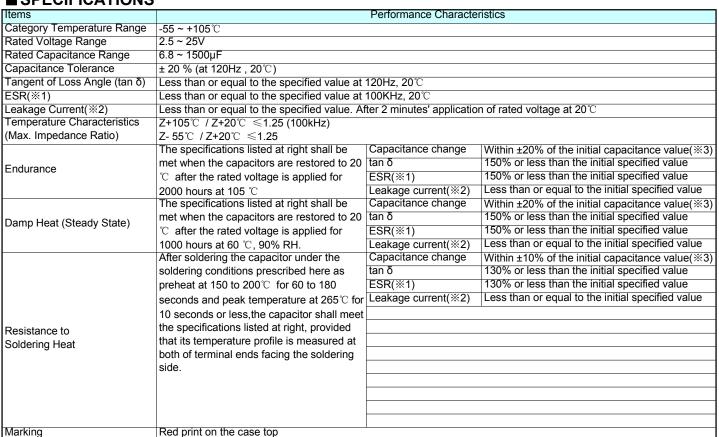
PA Radial Lead Type, Standard Series

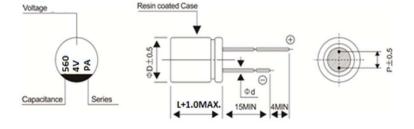
- Low ESR, High ripple current.
- Load life of 2000 hours at 105°C.
- Radial lead type:lead free flow soldering condition correspondence.
- RoHS Compliance(2011/65/EU).

■ SPECIFICATIONS

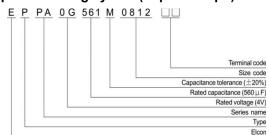


- ※1 ESR should be measured at both of the terminal ends closest to the capacitor body.
- ※2 Conditioning: If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minutes at 105 ℃
- X3 Initial value: The value before test of examination of resistance to soldering.

■ Dimensions



Type numbering system(Exp:4V 560μF)



ΦxL(mm)

Size	6.3x6	6.3x9	6.3x10.5	8x7	8x9	8x12	10x8	10x10	10x13
ФD	6.3	6.3	6.3	8.0	8.0	8.0	10.0	10.0	10.0
L	6	9	10.5	7	9	12	8	10	13
Р	2.5	2.5	2.5	3.5	3.5	3.5	5.0	5.0	5.0
Фd	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6

Voltage

V		2.5	4	6.3	10	16	20	25
Co	de	0E	0G	0J	1A	1C	1D	1E

PA Series

■ STANDARD RATINGS

Rated Voltage (V)(code)	Surge Voltage (V)	Rated Capacitance (µF)	Case Size ФD x L(mm)	tan δ	Leakage Current (µA)	ESR(mΩ) (at 100kHz 20℃)	Rated Ripple (mArms)	Part Number
, , ,	. ,	330	6.3x9	0.08	165	7	5600	EPPA0E331M6309
		390	6.3x10.5	0.08	195	20	3200	EPPA0E391M6310
		560	6.3x9	0.08	280	7	5600	EPPA0E561M6309
		560	8x9	0.08	280	6	4800	EPPA0E561M0809
		680	8x9	0.08	340	7	4800	EPPA0E681M0809
		680	8x12	0.08	340	6	5700	EPPA0E681M0812
2.5	2.8	820	6.3x9	0.08	410	7	5600	EPPA0E821M6309
(0E)		820	8x9	0.08	410	7	5200	EPPA0E821M0809
		820	8x12	0.08	410	6	6200	EPPA0E821M0812
		1000	10x13	0.08	500	6	6500	EPPA0E102M1013
		1200	10x13	0.08	600	8	5300	EPPA0E122M1013
		1500	8x12	0.08	750	7	6100	EPPA0E152M0812
		1500	10x13	0.08	750	8	5500	EPPA0E152M1013
		270	6.3x9	0.08	216	7	5600	EPPA0G271M6309
		270	6.3x10.5	0.08	216	20	3200	EPPA0G271M6310
		390	6.3x10.5	0.08	312	24	3300	EPPA0G391M6310
		560	8x9	0.08	448	7	5200	EPPA0G561M0809
4	4.6	560	8x12	0.08	448	7	5500	EPPA0G561M0812
(0G)		680	8x12	0.08	544	6	6200	EPPA0G681M0812
		820	10x13	0.08	656	6	6500	EPPA0G821M1013
		1000	10x13	0.08	800	6	6640	EPPA0G102M1013
		1200	10x13	0.08	960	8	5600	EPPA0G122M1013
		220	5x7	0.08	277	20	3000	EPPA0J221M0507
		220	6.3x10.5	0.08	277	20	3200	EPPA0J221M6310
6.3	7.0	330	6.3x10.5	0.08	416	24	3300	EPPA0J331M6310
(OJ)	7.2	470	8x9	0.08	592	7	5200	EPPA0J471M0809
` ′		470	8x12	0.08	592	7	5500	EPPA0J471M0812
		680	10x13	0.08	857	6	6300	EPPA0J681M1013
		47	6.3x10.5	0.08	94	25	2900	EPPA1A470M6310
		68	6.3x10.5	0.08	136	25	2900	EPPA1A680M6310
		100	6.3x8	0.08	200	25	2600	EPPA1A101M6308
		100	6.3x10.5	0.08	200	25	2900	EPPA1A101M6310
		150	6.3x10.5	0.08	300	25	2900	EPPA1A151M6310
40(44)	44.5	220	6.3x7	0.08	440	12	3150	EPPA1A221M6307
10(1A)	11.5	270	8x12	0.08	540	8	4900	EPPA1A271M0812
		470	5x11	0.08	940	16	3000	EPPA1A471M0511
		470	8x8	0.08	940	12	5300	EPPA1A471M0808
		470	10x13	0.08	940	7	5700	EPPA1A471M1013
		560	10x13	0.08	1120	7	5900	EPPA1A561M1013
		680	10x13	0.08	1360	7	6100	EPPA1A681M1013
		100	5x8	0.08	320	25	2350	EPPA1C101M0508
		100	6.3x7	0.08	320	25	2600	EPPA1C101M6307
		100	6.3x10.5	0.08	320	24	2900	EPPA1C101M6310
		180	5x9	0.08	576	12	2750	EPPA1C181M0509
		180	8x8	0.08	576	10	4200	EPPA1C181M0808
16	18.4	180	8x12	0.08	576	9	5000	EPPA1C181M0812
(1C)		220	6.3x8	0.08	704	12	3800	EPPA1C221M6308
		220	6.3x12	0.08	704	12	4400	EPPA1C221M6312
	23	270	8x8	0.08	864	10	4600	EPPA1C271M0808
		270	8x12	0.08	864	9	5100	EPPA1C271M0812
		330	10x13	0.08	1056	9	6100	EPPA1C331M1013
		470	10x13	0.08	1504	9	6100	EPPA1C471M1013
		22	6.3x6	0.12	88	50	1700	EPPA1D220M0807
		39	8x7	0.12	156	45	2000	EPPA1D390M0807
		47	8x7	0.12	188	45	2000	EPPA1D470M0807
20		56	10x8	0.12	224	40	2400	EPPA1D560M1008
		68	10x8	0.12	272	40	2600	EPPA1D680M1008
(1D)		82	10x8	0.12	328	40	2600	EPPA1D820M1008
		100	8x12	0.12	400	22	3320	EPPA1D101M0812
		120	10x10	0.12	480	35	2800	EPPA1D121M1010
		150	10x13	0.12	600	20	4320	EPPA1D151M1013

PA Series

■ STANDARD RATINGS

Rated Voltage (V)(code)	Surge Voltage (V)	Rated Capacitance (µF)	Case Size ФD x L(mm)	tan δ	Leakage Current (µA)	ESR(mΩ) (at 100kHz 20℃)	Rated Ripple (mArms)	Part Number
	28.7	6.8	6.3x6	0.12	34	80	1200	EPPA1E6R8M6306
		10	6.3x6	0.12	50	65	1500	EPPA1E100M6306
		10	8x 7	0.12	110	60	1500	EPPA1E100M0807
		22	8x 7	0.12	165	50	1800	EPPA1E220M0807
		47	6.3x6	0.12	235	49	1300	EPPA1E470M6306
25		47	10x 13	0.12	235	30	3000	EPPA1E470M1013
(1E)		56	10x 13	0.12	280	28	3800	EPPA1E560M1013
		100	5x11	0.12	500	30	2500	EPPA1E101M0511
		100	6.3x8	0.12	500	30	2500	EPPA1E101M6308
		100	6.3x11	0.12	500	30	3000	EPPA1E101M6311
		220	6.3x12	0.12	1100	20	4000	EPPA1E221M6312
		220	8x11	0.12	1100	18	4300	EPPA1E221M0811