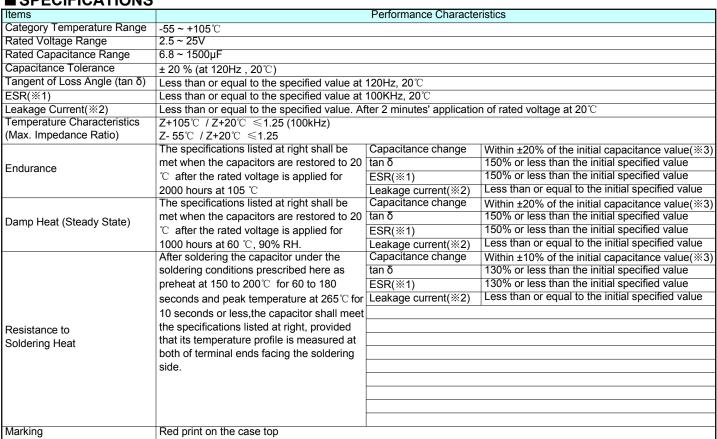
PA Radial Lead Type, Standard Series

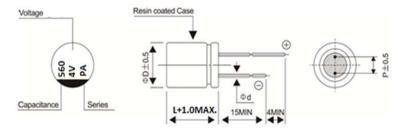
- Low ESR, High ripple current.
- Load life of 2000 hours at 105°C.
- Radial lead type:lead free flow soldering condition correspondence.
- RoHS Compliance(2011/65/EU).

■ SPECIFICATIONS

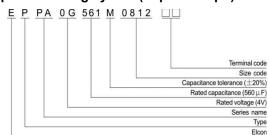


- %1 ESR should be measured at both of the terminal ends closest to the capacitor body.
- ※2 Conditioning: If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minutes at 105 ℃
- *3 Initial value: The value before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

Dimensions



Type numbering system(Exp:4V 560µF)



ΦxL(mm)

									Ψ,	Ψ X L(111111)	
	Size	6.3x6	6.3x9	6.3x10.5	8x7	8x9	8x12	10x8	10x10	10x13	
	ΦD	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	
Ī	Фd	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	

Vol	tage
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	V	2.5	4	6.3	10	16	20	25
	Code	0E	0G	OJ	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	166	7	5600	EPPA0E331M6309
		390	6.3x10.5	0.08	196	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
2.5		680	8x12	0.08	340	6	5700	EPPA0E681M0812
(0E)	2.8	820	6.3x9	0.08	410	7	5600	EPPA0E821M6309
(0L)		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	108	7	5600	EPPA0G271M6309
		270	6.3x10.5	0.08	108	20	3200	EPPA0G271M6310
		390	6.3x10.5	0.08	156	24	3300	EPPA0G391M6310
4		560	8x9	0.08	224	7	5200	EPPA0G561M0809
(0G)	4.6	560	8x12	0.08	224	7	5500	EPPA0G561M0812
(00)		680	8x12	0.08	272	6	6200	EPPA0G681M0812
		820	10x13	0.08	328	6	6500	EPPA0G821M1013
		1000	10x13	0.08	400	6	6640	EPPA0G102M1013
		1200	10x13	0.08	480	8	5600	EPPA0G122M1013
		220	5x7	0.08	278	20	3000	EPPA0J221M0507
		220	6.3x10.5	0.08	278	20	3200	EPPA0J221M6310
6.3	7.0	330	6.3x10.5	0.08	208	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	858	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
10(11)	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	160	25	2350	EPPA1C101M0508
		100	6.3x7	0.08	160	25	2600	EPPA1C101M6307
		100	6.3x10.5	0.08	160	24	2900	EPPA1C101M6310
	18.4	180	5x9	0.08	288	12	2750	EPPA1C181M0509
		180	8x8	0.08	288	10	4200	EPPA1C181M0808
16		180	8x12	0.08	288	9	5000	EPPA1C181M0812
(1C)		220	6.3x8	0.08	352	12	3800	EPPA1C221M6308
		220	6.3x12	0.08	352	12	4400	EPPA1C221M6312
		270	8x8	0.08	432	10	4600	EPPA1C271M0808
		270	8x12	0.08	432	9	5100	EPPA1C271M0812
		330	10x13	0.08	528	9	6100	EPPA1C331M1013
		470	10x13	0.08	752	9	6100	EPPA1C471M1013
		22	6.3x6	0.12	44	50	1700	EPPA1D220M0807
	23	39	8x7	0.12	78	45	2000	EPPA1D390M0807
		47	8x7	0.12	94	45	2000	EPPA1D470M0807
20		56	10x8	0.12	112	40	2400	EPPA1D560M1008
20		68	10x8	0.12	136	40	2600	EPPA1D680M1008
(1D)		82	10x8	0.12	164	40	2600	EPPA1D820M1008
		100	8x12	0.12	200	22	3320	EPPA1D101M0812
		120	10x10	0.12	240	35	2800	EPPA1D121M1010
		150	10x13	0.12	300	20	4320	EPPA1D151M1013
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PA Series

■ STANDARD RATINGS

Rated Voltage (V)(code)	Surge Voltage (V)	Rated Capacitance (µF)	Case Size ΦD x L(mm)	tan δ	Leakage Current (µA)	ESR(mΩ) (at 100kHz 20℃)	Rated Ripple (mArms)	Part Number
		6.8	6.3x6	0.12	17	80	1200	EPPA1E6R8M6306
		10	6.3x6	0.12	25	65	1500	EPPA1E6R8M6306 EPPA1E100M6306 EPPA1E100M0807 EPPA1E220M0807 EPPA1E470M6306 EPPA1E470M1013 EPPA1E560M1013 EPPA1E101M0511 EPPA1E101M6308 EPPA1E101M6311
		10	8x 7	0.12	55	60	1500	
		22	8x 7	0.12	83	50	1800	EPPA1E220M0807
		47	6.3x6	0.12	118	49	1300	EPPA1E470M6306
25	20.7	47	10x 13	0.12	118	30	3000	
(1E)	28.7	56	10x 13	0.12	140	28	3800	
` ′		100	5x11	0.12	250	30	2500	EPPA1E101M0511
		100	6.3x8	0.12	250	30	2500	EPPA1E101M6308
		100	6.3x11	0.12	250	30	3000	EPPA1E101M6311
		220	6.3x12	0.12	550	20	4000	EPPA1E221M6312
		220	8x11	0.12	550	18	4300	EPPA1E221M0811