Radial Lead Type

Series: GA Type: A



Features

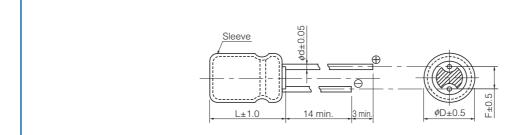
• Endurance: 105 °C 1000 h

RoHS compliant

Specifications						
Category temperature range	−55 °C to +105 °C					
Rated voltage range	10 V.DC to 50 V.DC					
Capacitance range	1.5 µF to 220 µF					
Capacitance tolerance	±20 % (120 Hz/+20 °C)					
Leakage current	I ≤ 0.01 CV or 3 (μA) After 2 minutes (Whichever is greater)					
Dissipation factor (tan δ)	Please see the attached characteristics list					
	After following life test with DC voltage and +105 °C±2 °C ripple current value applied (The sum of DC and ripple peak voltage shall not exceed the rated working voltage), for 1000 hours, when the capacitors are restored to 20 °C, the capacitors shall meet the limits specified below.					
Endurance	Capacitance change Within ±20 % of the initial value					
	tan δ	≤ 200 % of the initial limit				
	DC leakage current Within the initial limit					
Shelf life	After storage for 1000 hours at +105 °C±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance. (With voltage treatment)					

Frequency correction factor for ripple current										
	Frequency (Hz)	60	120	1 k	10 k	100 k to				
	Correction factor	0.85	1.00	1.30	1.40	1.55				

Dimensions



(Unit:mm)

ϕ D	4	5	6.3	8
ϕ d	0.45	0.45	0.45	0.45
F	1.5	2.0	2.5	2.5



Panasonic Aluminum Electrolytic Capacitors (Radial Lead Type)

Characteristics list

Endurance: 105 °C 1000 h

	Cap. (±20 %) (µF)	Case size (mm)		Specification			Lead length (mm)					Min. Packaging Q'ty	
Rated		φD L		Ripple		Endurance (hours)	Lead dia. <i>ø</i> d	Lead space		ce			
voltage (V.DC)			L	current (120 Hz) (+105 °C) (mA r.m.s.)	tan <i>&</i> (120 Hz) (+20 °C)			Straight	Taping *B	Taping *H	Part No.	Straight leads (pcs)	Taping (pcs)
	22	4	7	30	0.22	1000	0.45	1.5	5.0	2.5	EEAGA1A220()	200	2000
	33	5	7	50	0.22	1000	0.45	2.0	5.0	2.5	EEAGA1A330()	200	2000
10	47	6.3	7	65	0.22	1000	0.45	2.5	5.0	2.5	EEAGA1A470()	200	2000
10	68	6.3	7	75	0.22	1000	0.45	2.5	5.0	2.5	EEAGA1A680()	200	2000
	100	6.3	7	110	0.22	1000	0.45	2.5	5.0	2.5	EEAGA1A101()	200	2000
	220	8	7	160	0.22	1000	0.45	2.5	5.0	2.5	EEAGA1A221()	200	1000
	10	4	7	30	0.18	1000	0.45	1.5	5.0	2.5	EEAGA1C100()	200	2000
	15	4	7	33	0.18	1000	0.45	1.5	5.0	2.5	EEAGA1C150()	200	2000
16	22	5	7	50	0.18	1000	0.45	2.0	5.0	2.5	EEAGA1C220()	200	2000
10	33	6.3	7	65	0.18	1000	0.45	2.5	5.0	2.5	EEAGA1C330()	200	2000
	47	6.3	7	77	0.18	1000	0.45	2.5	5.0	2.5	EEAGA1C470()	200	2000
	100	8	7	120	0.18	1000	0.45	2.5	5.0	2.5	EEAGA1C101()	200	1000
	10	4	7	33	0.16	1000	0.45	1.5	5.0	2.5	EEAGA1E100()	200	2000
	15	5	7	45	0.16	1000	0.45	2.0	5.0	2.5	EEAGA1E150()	200	2000
25	22	5	7	50	0.16	1000	0.45	2.0	5.0	2.5	EEAGA1E220()	200	2000
	33	6.3	7	75	0.16	1000	0.45	2.5	5.0	2.5	EEAGA1E330()	200	2000
	68	8	7	100	0.16	1000	0.45	2.5	5.0	2.5	EEAGA1E680()	200	1000
	6.8	4	7	33	0.13	1000	0.45	1.5	5.0	2.5	EEAGA1V6R8()	200	2000
	10	5	7	35	0.13	1000	0.45	2.0	5.0	2.5	EEAGA1V100()	200	2000
35	15	6.3	7	50	0.13	1000	0.45	2.5	5.0	2.5	EEAGA1V150()	200	2000
	22	6.3	7	70	0.13	1000	0.45	2.5	5.0	2.5	EEAGA1V220()	200	2000
	47	8	7	96	0.13	1000	0.45	2.5	5.0	2.5	EEAGA1V470()	200	1000
	1.5	4	7	16	0.10	1000	0.45	1.5	5.0	2.5	EEAGA1H1R5()	200	2000
	2.2	4	7	18	0.10	1000	0.45	1.5	5.0	2.5	EEAGA1H2R2()	200	2000
	3.3	4	7	22	0.10	1000	0.45	1.5	5.0	2.5	EEAGA1H3R3()	200	2000
50	4.7	4	7	26	0.10	1000	0.45	1.5	5.0	2.5	EEAGA1H4R7()	200	2000
	6.8	5	7	35	0.10	1000	0.45	2.0	5.0	2.5	EEAGA1H6R8()	200	2000
	10	6.3	7	39	0.10	1000	0.45	2.5	5.0	2.5	EEAGA1H100()	200	2000
	15	6.3	7	55	0.10	1000	0.45	2.5	5.0	2.5	EEAGA1H150()	200	2000
	22	8	7	70	0.10	1000	0.45	2.5	5.0	2.5	EEAGA1H220()	200	1000
	33	8	7	91	0.10	1000	0.45	2.5	5.0	2.5	EEAGA1H330()	200	1000

[·] When requesting taped product, please put the letter "B" or "H" between the "()". Lead wire pitch *B=5 mm, H=2.5 mm. Suffix "BQ" for $\phi 8 \times 7$, 5 mm pitch products Please refer to the page of "Taping Dimensions".

Mouser Electronics

Authorized Distributor

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Panasonic:

EEA-GA1E220H EEA-GA1H4R7B EEA-GA1A680B EEA-GA1A680H EEA-GA1C100B EEA-GA1C100H EEA-GA1C101H EEA-GA1C150B EEA-GA1C150H EEA-GA1C220B EEA-GA1C220H EEA-GA1C330B EEA-GA1C330H EEA-GA1C470B EEA-GA1C470H EEA-GA1E100B EEA-GA1E150B EEA-GA1E150H EEA-GA1E220B EEA-GA1E330B EEA-GA1E330H EEA-GA1E680B EEA-GA1E680H EEA-GA1H100B EEA-GA1H1R5B EEA-GA1H1R5H EEA-GA1H220B EEA-GA1H220H EEA-GA1H2R2B EEA-GA1H2R2H EEA-GA1H330H EEA-GA1H3R3B EEA-GA1H3R3H EEA-GA1H4R7H EEA-GA1H6R8B EEA-GA1H6R8H EEA-GA1V100B EEA-GA1V150H EEA-GA1V120B EEA-GA1V220H EEA-GA1V470H EEA-GA1V6R8B EEA-GA1V6R8H EEA-GA1E100H EEA-GA1H100H EEA-GA1V100H