

**Panasonic** NHG Series Radial Lead Aluminum Electrolytic Capacitors (Cont.)



F

VV (VDC)	Cap. $\mu$ F	D.C.L. (+20°C) ( $\mu$ A) max.	tan $\delta$ max.	Ripple Current (mA) rms	Dimensions (mm)				Digi-Key Part No.	Pricing					Panasonic Part No.		
					$\phi$ D	L	P	$\phi$ d		1	10	100	500	1,000		5,000	
50	0.1	3.0	0.12	1.1	5	11	2.0	0.5	P5559-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHGR01	
	0.22	3.0	0.12	2.3	5	11	2.0	0.5	P5560-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHGR22	
	0.33	3.0	0.12	3.5	5	11	2.0	0.5	P5561-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHGR33	
	0.47	3.0	0.12	5	5	11	2.0	0.5	P5562-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHGR47	
	1.0	3.0	0.12	10	5	11	2.0	0.5	P5563-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG010	
	2.2	3.0	0.12	18	5	11	2.0	0.5	P5564-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG2R2	
	3.3	3.0	0.12	22	5	11	2.0	0.5	P5565-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG3R3	
	4.7	3.0	0.12	26	5	11	2.0	0.5	P5566-ND†	.24	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG4R7	
	10	5.0	0.12	39	5	11	2.0	0.5	P5567-ND†	.22	1.14	7.69	26.04	40.00	33.00/M	ECA-1HHG100	
	22	11.0	0.12	65	5	11	2.0	0.5	P5568-ND†	.18	.97	6.82	23.56	37.00	32.00/M	ECA-1HHG220	
	33	16.5	0.12	90	5	11	2.0	0.5	P5569-ND†	.19	.97	6.82	23.56	37.00	32.00/M	ECA-1HHG330	
	47	23.5	0.12	110	6.3	11.2	2.5	0.5	P5570-ND†	.29	1.53	10.81	37.34	59.00	51.00/M	ECA-1HHG470	
	100	50.0	0.12	180	8	11.5	3.5	0.6	P5571-ND†	.39	2.14	15.30	55.08	86.00	80.00/M	ECA-1HHG101	
	220	110.0	0.12	330	10	12.5	5.0	0.6	P5572-ND†	.50	2.94	21.57	78.03	124.00	119.00/M	ECA-1HHG221	
	330	165.0	0.12	410	10	16	5.0	0.6	P5573-ND†	.57	3.54	26.01	94.10	149.00	144.00/M	ECA-1HHG331	
	470	235.0	0.12	530	10	20	5.0	0.6	P5574-ND†	.70	4.66	34.24	123.85	197.00	189.00/M	ECA-1HHG471	
	1000	500.0	0.12	950	12.5	25	5.0	0.6	P5575-ND†	1.19	7.65	57.38	204.00	339.00	326.00/M	ECA-1HHG102	
	2200	1100.0	0.14	1470	16	31.5	7.5	0.8	P5576-ND†	1.74	12.36	93.26	349.73	606.00	588.00/M	ECA-1HHG222	
3300	1650.0	0.16	1770	18	35.5	7.5	0.8	P5577-ND	3.04	18.15	136.98	513.68	890.00	863.00/M	ECA-1HHG332		
63	10	6.3	0.10	46	5	11	2.0	0.5	P5578-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-1JHG100	
	22	13.8	0.10	71	5	11	2.0	0.5	P5579-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-1JHG220	
	33	20.7	0.10	100	6.3	11.2	2.5	0.5	P5580-ND	.31	1.59	11.22	38.76	61.00	53.00/M	ECA-1JHG330	
	47	29.6	0.10	120	6.3	11.2	2.5	0.5	P5581-ND	.25	1.43	10.20	36.72	57.00	53.00/M	ECA-1JHG470	
	100	63.0	0.10	215	10	12.5	5.0	0.6	P5582-ND	.48	3.21	22.95	82.62	129.00	119.00/M	ECA-1JHG101	
	220	138.6	0.10	335	10	16	5.0	0.6	P5583-ND	.69	3.87	28.41	102.77	163.00	157.00/M	ECA-1JHG221	
	330	207.9	0.10	510	10	20	5.0	0.6	P5584-ND	.91	5.13	37.67	136.26	216.00	208.00/M	ECA-1JHG331	
	470	296.1	0.10	640	12.5	20	5.0	0.6	P5585-ND	1.15	6.56	49.19	174.88	291.00	280.00/M	ECA-1JHG471	
	1000	630.0	0.10	930	16	25	7.5	0.8	P5586-ND	1.78	10.23	77.22	289.58	502.00	486.00/M	ECA-1JHG102	
	2200	1386.0	0.12	1610	18	35.5	7.5	0.8	P5587-ND	3.49	20.08	151.54	568.28	985.00	955.00/M	ECA-1JHG222	
	100	0.47	3.0	0.08	9	5	11	2.0	0.5	P5588-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHGR47
		1.0	3.0	0.08	14	5	11	2.0	0.5	P5589-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG010
2.2		3.0	0.08	21	5	11	2.0	0.5	P5590-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG2R2	
3.3		3.3	0.08	31	5	11	2.0	0.5	P5591-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG3R3	
4.7		4.7	0.08	38	5	11	2.0	0.5	P5592-ND	.20	1.02	7.21	24.89	39.00	34.00/M	ECA-2AHG4R7	
10		10.0	0.08	54	6.3	11.2	2.5	0.5	P5593-ND	.30	1.59	11.22	38.76	61.00	53.00/M	ECA-2AHG100	
22		22.0	0.08	93	6.3	11.2	2.5	0.5	P5594-ND	.25	1.43	10.20	36.72	57.00	53.00/M	ECA-2AHG220	
33		33.0	0.08	130	8	11.5	3.5	0.6	P5595-ND	.44	2.45	17.48	62.91	98.00	91.00/M	ECA-2AHG330	
47		47.0	0.08	165	10	12.5	5.0	0.6	P5596-ND	.53	2.96	21.13	76.05	118.00	110.00/M	ECA-2AHG470	
100		100.0	0.08	265	10	20	5.0	0.6	P5597-ND	.91	5.13	37.67	136.26	216.00	208.00/M	ECA-2AHG101	
220		220.0	0.08	440	12.5	25	5.0	0.6	P5598-ND	1.36	7.78	58.37	207.52	345.00	332.00/M	ECA-2AHG221	
330		330.0	0.08	540	16	25	7.5	0.8	P5599-ND	1.92	10.93	81.97	291.44	485.00	466.00/M	ECA-2AHG331	
470		470.0	0.08	715	16	25	7.5	0.8	P5850-ND	2.02	11.58	87.42	327.83	568.00	551.00/M	ECA-2AHG471	
1000		1000.0	0.08	985	18	35.5	7.5	0.8	P5851-ND	3.49	20.08	151.54	568.28	985.00	955.00/M	ECA-2AHG102	
160		1.0	19.6	0.15	17	6.3	11.2	2.5	0.5	P5852-ND	.34	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG010
		2.2	31.1	0.15	25	6.3	11.2	2.5	0.5	P5853-ND	.38	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG2R2
		3.3	41.6	0.15	36	6.3	11.2	2.5	0.5	P5854-ND	.41	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG3R3
		4.7	55.1	0.15	43	6.3	11.2	2.5	0.5	P5855-ND	.45	1.53	10.93	39.33	61.00	57.00/M	ECA-2CHG4R7
	10	106.0	0.15	70	10	12.5	5.0	0.6	P5856-ND	.53	2.70	19.86	71.83	114.00	110.00/M	ECA-2CHG100	
	22	221.0	0.15	130	10	20	5.0	0.6	P5857-ND	.71	3.64	26.72	96.65	153.00	148.00/M	ECA-2CHG220	
	33	326.0	0.15	180	10	20	5.0	0.6	P5858-ND	.82	3.41	25.58	90.96	151.00	146.00/M	ECA-2CHG330	
	47	461.0	0.15	220	12.5	20	5.0	0.6	P5859-ND	1.02	4.81	36.07	128.24	213.00	205.00/M	ECA-2CHG470	
	100	970.0	0.15	335	16	25	7.5	0.8	P5860-ND	1.50	7.87	59.02	209.84	349.00	336.00/M	ECA-2CHG101	
	220	2122.0	0.15	540	16	31.5	7.5	0.8	P5861-ND	2.28	10.81	81.60	306.00	530.00	514.00/M	ECA-2CHG221	
	330	3178.0	0.15	705	18	31.5	7.5	0.8	P5862-ND	3.26	19.31	145.72	546.45	947.00	918.00/M	ECA-2CHG331	
	250	1.0	25.0	0.15	17	6.3	11.2	2.5	0.5	P5863-ND	.40	1.53	10.93	39.33	61.00	57.00/M	ECA-2EHG010
2.2		43.0	0.15	29	6.3	11.2	2.5	0.5	P5864-ND	.42	1.53	10.93	39.33	61.00	57.00/M	ECA-2EHG2R2	
3.3		59.5	0.15	42	8	11.5	3.5	0.6	P5865-ND	.45	1.87	13.70	49.56	79.00	76.00/M	ECA-2EHG3R3	
4.7		80.5	0.15	50	8	11.5	3.5	0.6	P5866-ND	.52	2.10	15.42	55.76	89.00	85.00/M	ECA-2EHG4R7	
10		160.0	0.15	88	10	16	5.0	0.6	P5867-ND	.78	3.54	26.01	94.10	149.00	144.00/M	ECA-2EHG100	
22		340.0	0.15	155	12.5	20	5.0	0.6	P5868-ND	.94	5.03	37.71	134.08	223.00	215.00/M	ECA-2EHG220	
33		505.0	0.15	190	12.5	20	5.0	0.6	P5869-ND	1.12	5.46	40.97	145.68	242.00	233.00/M	ECA-2EHG330	
47		715.0	0.15	230	12.5	25	5.0	0.6	P5870-ND	1.45	6.99	52.45	186.48	310.00	298.00/M	ECA-2EHG470	
100		1510.0	0.15	365	16	31.5	7.5	0.8	P5871-ND	2.22	10.81	81.60	306.00	530.00	514.00/M	ECA-2EHG101	
450		1.0	37.0	0.20	18	8	11.5	3.5	0.6	P5872-ND	.56	2.33	17.13	61.97	98.00	95.00/M	ECA-2WHG010
	2.2	69.4	0.20	29	10	12.5	5.0	0.6	P5873-ND	.60	2.80	20.54	74.29	118.00	114.00/M	ECA-2WHG2R2	
	3.3	99.1	0.20	41	10	16	5.0	0.6	P5874-ND	.84	3.64	26.72	96.65	153.00	148.00/M	ECA-2WHG3R3	
	4.7	136.0	0.20	49	10	20	5.0	0.6	P5875-ND	.88	3.72	27.88	99.12	165.00	159.00/M	ECA-2WHG4R7	
	10	280.0	0.20	75	12.5	20	5.0	0.6	P5876-ND	1.50	6.56	49.19	174.88	291.00	280.00/M	ECA-2WHG100	
	22	604.0	0.20	115	16	25	7.5	0.8	P5877-ND	2.00	9.27	69.94	262.28	455.00	441.00/M	ECA-2WHG220	
	33	901.0	0.20	155	16	31.5	7.5	0.8	P5878-ND	2.45	11.58	87.42</					