

## Overview

The KEMET ETG radial aluminum electrolytic capacitors are designed for long life (5,000 hours) and high reliability applications requiring a slim profile solution.

## Applications

Typical applications include LED TV, electronic ballast, power supplies, and long-life equipment.

## Benefits

- Suited for long life, high reliability applications
- Operating temperature of up to 105°C
- 5,000 hour operating life
- High ripple current
- Safety vent on the capacitor base



## Part Number System

ETG	226	M	250		A	K6	AA
Series	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)		Electrical Parameters	Size Code	Packaging
Radial Aluminum Electrolytic	First two digits represent significant figures for capacitance values. Last digit specifies the number of zeros to be added.	M = ±20%	016 = 16 025 = 25 035 = 35 050 = 50 063 = 63 100 = 100 160 = 160	200 = 200 250 = 250 350 = 350 400 = 400 420 = 420 450 = 450	A = Standard	See Dimension Table	See Ordering Options Table

**Table 1A – Ratings & Part Number Reference**

VDC	VDC Surge Voltage	Rated Capacitance 120 Hz 20°C (μF)	Case Size D x L (mm)	DF 120 Hz 20°C (tan δ %)*	RC 100 kHz 105°C (mA)	ESR 100 kHz 20°C (Ω)	LC 20°C 2 minutes (μA)	Part Number
16	20	1,500	8 x 30	16	1600	0.032	495	ETG158M016AGA(1)
16	20	1,800	8 x 35	16	1760	0.028	591	ETG188M016AGC(1)
16	20	2,200	8 x 40	16	1960	0.027	719	ETG228M016AGD(1)
25	32	820	8 x 30	14	1200	0.060	425	ETG827M025AGA(1)
25	32	1,000	8 x 30	14	1300	0.055	515	ETG108M025AGA(1)
25	32	1,500	8 x 45	14	1700	0.040	765	ETG158M025AGF(1)
25	32	1,800	8 x 50	14	2000	0.035	915	ETG188M025AGG(1)
25	32	2,200	8 x 60	14	2200	0.032	1115	ETG228M025AGN(1)
25	32	2,200	10 x 40	14	2100	0.032	1115	ETG228M025AHB(1)
35	44	680	8 x 30	12	1340	0.045	491	ETG687M035AGA(1)
35	44	820	8 x 35	12	1450	0.042	589	ETG827M035AGC(1)
35	44	1,000	8 x 40	12	1720	0.037	715	ETG108M035AGD(1)
35	44	1,500	8 x 60	12	2080	0.035	1065	ETG158M035AGN(1)
35	44	1,500	10 x 40	12	1850	0.035	1065	ETG158M035AHB(1)
35	44	1,800	10 x 45	12	2010	0.034	1275	ETG188M035AHD(1)
50	63	330	8 x 30	10	1110	0.065	345	ETG337M050AGA(1)
50	63	470	8 x 40	10	1400	0.060	485	ETG477M050AGD(1)
50	63	680	8 x 45	10	1600	0.050	695	ETG687M050AGF(1)
50	63	820	8 x 55	10	1820	0.045	835	ETG827M050AGL(1)
50	63	820	10 x 40	10	1750	0.040	835	ETG827M050AHB(1)
50	63	1,000	10 x 45	10	1950	0.039	1015	ETG108M050AHD(1)
63	79	220	8 x 30	9	1150	0.060	292	ETG227M063AGA(1)
63	79	330	8 x 40	9	1340	0.058	431	ETG337M063AGD(1)
63	79	470	8 x 50	9	1700	0.045	607	ETG477M063AGG(1)
63	79	680	10 x 45	9	1900	0.042	872	ETG687M063AHD(1)
100	125	220	8 x 50	8	1540	0.055	455	ETG227M100AGG(1)
100	125	330	10 x 45	8	1730	0.050	675	ETG337M100AHD(1)
100	125	470	10 x 60	8	2250	0.038	955	ETG477M100AHJ(1)
VDC	VDC Surge	Rated Capacitance	Case Size	DF	RC	ESR	LC	Part Number

(1) Insert packaging code. See Ordering Options Table for available options.

\* When capacitance exceeds 1,000 μF, the DF value (%) is increased by 2% for every additional 1,000 μF.

**Table 1B – Ratings & Part Number Reference**

VDC	VDC Surge Voltage	Rated Capacitance 120 Hz 20°C (μF)	Case Size D x L (mm)	DF 120 Hz 20°C (tan δ %)*	RC 120 kHz 105°C (mA)	LC 20°C 2 minutes (μA)	Part Number
160	200	56	8 x 35	18	260	194	ETG566M160AGC(1)
160	200	68	8 x 40	18	335	233	ETG686M160AGD(1)
160	200	82	8 x 45	18	390	277	ETG826M160AGF(1)
160	200	100	8 x 50	18	470	335	ETG107M160AGG(1)
160	200	120	10 x 40	18	520	399	ETG127M160AHE(1)
160	200	150	10 x 50	18	650	495	ETG157M160AHE(1)
160	200	180	12.5 x 40	18	745	591	ETG187M160AK4(1)
160	200	220	12.5 x 45	18	830	719	ETG227M160AKA(1)
160	200	270	12.5 x 50	18	960	879	ETG277M160AKB(1)
160	200	330	12.5 x 55	18	1100	1071	ETG337M160AKC(1)
200	250	56	8 x 45	18	285	239	ETG566M200AGF(1)
200	250	68	8 x 50	18	350	287	ETG686M200AGG(1)
200	250	82	10 x 40	18	460	343	ETG826M200AHE(1)
200	250	100	10 x 45	18	470	415	ETG107M200AHD(1)
200	250	120	10 x 50	18	570	495	ETG127M200AHE(1)
200	250	150	12.5 x 45	18	710	615	ETG157M200AKA(1)
200	250	180	12.5 x 50	18	785	735	ETG187M200AKB(1)
200	250	220	12.5 x 55	18	880	895	ETG227M200AKC(1)
200	250	270	12.5 x 60	18	1030	1095	ETG277M200AKD(1)
VDC	VDC Surge	Rated Capacitance	Case Size	DF	RC	LC	Part Number

(1) Insert packaging code. See Ordering Options Table for available options.

\* When capacitance exceeds 1,000 μF, the DF value (%) is increased by 2% for every additional 1,000 μF.

Table 1C – Ratings &amp; Part Number Reference

VDC	VDC Surge Voltage	Rated Capacitance 120 Hz 20°C (μF)	Case Size D x L (mm)	DF 120 Hz 20°C (tan δ %)*	RC 120 kHz 105°C (mA)	LC 20°C 2 minutes (μA)	Part Number
250	300	27	8 x 32	15	150	415	ETG276M250AGB(1)
250	300	33	8 x 35	15	170	505	ETG336M250AGC(1)
250	300	39	8 x 42	15	200	595	ETG396M250AGE(1)
250	300	47	8 x 45	15	220	715	ETG476M250AGF(1)
250	300	56	10 x 42	15	300	850	ETG566M250AHC(1)
250	300	68	10 x 45	15	330	1030	ETG686M250AHD(1)
250	300	82	10 x 50	15	390	1240	ETG826M250AHE(1)
250	300	100	12.5 x 42	15	440	1510	ETG107M250AK6(1)
250	300	120	12.5 x 45	15	490	1810	ETG127M250AKA(1)
250	300	150	12.5 x 50	15	560	2260	ETG157M250AKB(1)
350	400	15	8 x 35	20	120	325	ETG156M350AGC(1)
350	400	22	8 x 40	20	150	472	ETG226M350AGD(1)
350	400	27	8 x 45	20	170	577	ETG276M350AGF(1)
350	400	33	8 x 50	20	200	703	ETG336M350AGG(1)
350	400	39	10 x 45	20	235	829	ETG396M350AHD(1)
350	400	47	10 x 50	20	270	997	ETG476M350AHE(1)
350	400	56	12.5 x 40	20	300	1186	ETG566M350AK4(1)
350	400	68	12.5 x 45	20	350	1438	ETG686M350AKA(1)
350	400	82	12.5 x 50	20	400	1732	ETG826M350AKB(1)
350	400	100	12.5 x 55	20	460	2110	ETG107M350AKC(1)
400	450	15	8 x 35	24	110	370	ETG156M400AGC(1)
400	450	22	8 x 40	24	140	538	ETG226M400AGD(1)
400	450	27	8 x 45	24	165	658	ETG276M400AGF(1)
400	450	27	10 x 35	24	165	658	ETG276M400AHA(1)
400	450	33	8 x 50	24	190	802	ETG336M400AGG(1)
400	450	33	10 x 40	24	190	802	ETG336M400AHB(1)
400	450	39	10 x 45	24	220	946	ETG396M400AHD(1)
400	450	47	10 x 50	24	255	1138	ETG476M400AHE(1)
400	450	47	12.5 x 40	24	255	1138	ETG476M400AK4(1)
400	450	56	12.5 x 45	24	300	1354	ETG566M400AKA(1)
400	450	68	12.5 x 50	24	350	1642	ETG686M400AKB(1)
400	450	82	12.5 x 55	24	400	1978	ETG826M400AKC(1)
400	450	100	16 x 35	20	705	825	ETG107M400AMP(1)
420	470	15	8 x 35	24	105	388	ETG156M420AGC(1)
420	470	22	8 x 40	24	135	564.4	ETG226M420AGD(1)
420	470	27	8 x 45	24	155	690.4	ETG276M420AGF(1)
420	470	27	10 x 35	24	155	690.4	ETG276M420AHA(1)
420	470	33	8 x 50	24	185	841.6	ETG336M420AGG(1)
420	470	33	10 x 40	24	185	841.6	ETG336M420AHB(1)
420	470	39	10 x 45	24	215	992.8	ETG396M420AHD(1)
420	470	39	12.5 x 35	24	215	992.8	ETG396M420AK3(1)
420	470	47	10 x 50	24	245	1194.4	ETG476M420AHE(1)
420	470	47	12.5 x 40	24	245	1194.4	ETG476M420AK4(1)
420	470	56	12.5 x 45	24	290	1421.2	ETG566M420AKA(1)
420	470	68	12.5 x 50	24	335	1723.6	ETG686M420AKB(1)
420	470	82	12.5 x 55	24	385	2076.4	ETG826M420AKC(1)
450	500	12	8 x 35	24	110	334	ETG126M450AGC(1)
450	500	15	8 x 40	24	130	415	ETG156M450AGD(1)
450	500	22	8 x 45	24	165	604	ETG226M450AGF(1)
450	500	22	10 x 35	24	165	604	ETG226M450AHA(1)
450	500	27	8 x 52	24	195	739	ETG276M450AGH(1)
450	500	27	10 x 40	24	195	739	ETG276M450AHB(1)
450	500	33	10 x 45	24	230	901	ETG336M450AHD(1)
450	500	33	12.5 x 35	24	230	901	ETG336M450AK3(1)
450	500	39	10 x 50	24	265	1063	ETG396M450AHE(1)
450	500	39	12.5 x 40	24	265	1063	ETG396M450AK4(1)
450	500	47	10 x 52	24	295	1279	ETG476M450AHF(1)
450	500	47	12.5 x 45	24	310	1279	ETG476M450AKA(1)
450	500	56	12.5 x 50	24	355	1522	ETG566M450AKB(1)
450	500	68	12.5 x 55	24	410	1846	ETG686M450AKC(1)
VDC	VDC Surge	Rated Capacitance	Case Size	DF	RC	LC	Part Number

(1) Insert packaging code. See Ordering Options Table for available options.

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