GXX

Aluminum Polymer Capacitors

+105°C, 5000 Hour, SMD Surface Mount

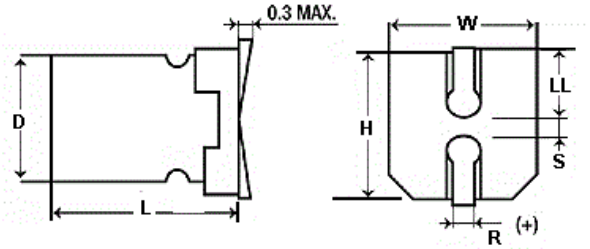


NOT RECOMMENDED FOR NEW DESIGN, SEE HWA / HWL FOR POSSIBLE REPLACEMENT

FEATURES	High temperature – Very Low ESR – High ripple current – stable with temperature – High frequency – Long life – ROHS compliant
APPLICATIONS	DC-DC converters – Voltage regulators – Decoupling

Operating Temperature Range		**-55°C to +105°C**					
Capacitance Tolerance		**±20% at 120 Hz, 20°C**					
Surge Voltage	**WVDC**	**4**	**6.3**	**10**	**16**	**20**	**25**
	SVDC	1.15 x rated WVDC					
Dissipation Factor 120 Hz, 20°C		See standard part listing					
Leakage Current		**2 Minutes**					
		See standard part listing					
Low Temperature Stability Impedance Ratio (100 kHz)	**-55°C/ +20°C**	≤1.25					
	+105°C/ +20°C	≤1.25					
Load Life		**5000 hours at 105°C with rated WVDC applied**					
	Capacitance Change	≤20% of initial measured value					
	Dissipation Factor	≤150% of maximum specified value					
	ESR	≤150% of maximum specified value					
	Leakage Current	≤100% of maximum specified value					
Damp Heat test		**1000 hours at 60°C with no voltage applied at 90-95% R.H.**					
	Capacitance Change	≤20% of initial measured value					
	Dissipation Factor	≤150% of maximum specified value					
	ESR	≤150% of maximum specified value					
	Leakage Current	≤100% of maximum specified value					
Resistance to Soldering Heat		**Capacitors placed on a 230°C hot plate for 5 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature**					
	Capacitance Change	≤20% of initial measured value					
	Dissipation Factor	≤150% of maximum specified value					
	ESR	≤150% of maximum specified value					
	Leakage Current	≤100% of maximum specified value					
Ripple Current Multipliers		**Frequency (Hz)**					
		120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f≤500kHz		
		0.05	0.3	0.7	1.0		

Special Order Options



D+0.5	W±0.2	H±0.2	LL±0.2	R+0..15	S±0.2
6.3	6.6	6.6	2.1	.65	1.9
8	8.3	8.3	2.8	.95	3.2

Americas / EU
Phone: 1-508-996-8561
Email: cdena@cde.com

CDE CORNELL DUBILIER
ENERGIZING IDEAS
ILLINOIS CAPACITOR

Asia
Phone: 852-2793-0931
Email: cdeasia@cde.com

GXX

+105°C Low ESR, High Ripple Current

NOT RECOMMENDED FOR NEW DESIGN - SEE HVA / HVAZ FOR POSSIBLE REPLACEMENT

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum D.F. 120 Hz, 20°C	Maximum ESR (Ω) 120 Hz, +20°C	Maximum ESR (mΩ) 100 kHz, +20°C	Leakage Current (µA)	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
4	150	157GXX004MEY	0.12	1.3263	22	120	2570	6.3x5.7
4	270	277GXX004MFT	0.12	0.4368	22	216	3220	8x6.7
4	560	567GXX004MFT	0.12	0.3553	22	448	3220	8x6.7
6.3	120	127GXX6R3MEY	0.12	1.6579	22	151.2	2570	6.3x5.7
6.3	220	227GXX6R3MEY	0.12	0.9043	22	277.2	2570	6.3x5.7
6.3	220	227GXX6R3MFT	0.12	0.9043	22	277.2	3200	8x6.7
6.3	390	397GXX6R3MFT	0.12	0.5101	22	491.4	3220	8x6.7
10	68	686GXX010MEY	0.12	2.9256	30	136	2200	6.3x5.7
10	120	127GXX010MEY	0.12	1.6579	27	240	2320	6.3x5.7
10	150	157GXX010MFT	0.12	1.3263	30	300	2760	8x6.7
16	39	396GXX016MEY	0.12	5.1011	37	124.8	2050	6.3x5.7
16	68	686GXX016MEY	0.12	2.9256	30	217.6	2200	6.3x5.7
16	86	826GXX016MFT	0.12	2.4261	30	262.4	2760	8x6.7
16	120	127GXX016MFT	0.12	1.6579	27	384	2900	8x6.7
20	22	226GXX020MEY	0.1	7.5358	60	88	1450	6.3x5.7
20	76	476GXX020MFT	0.12	4.2328	45	188	1890	8x6.7
25	10	106GXX025MFT	0.1	16.5786	60	125	1500	8x6.7

Americas / EU
Phone: 1-508-996-8561
Email: cdena@cde.com

CDE CORNELL DUBILIER
ENERGIZING IDEAS
ILLINOIS CAPACITOR

Asia
Phone: 852-2793-0931
Email: cdeasia@cde.com