JARO Components, Inc.

An ISO Registered Firm

Series: GLZR

Low Impedance Radial - Aluminum Electrolytic Capacitor

Features:

- Low Impedance
- High Ripple Current
- Wide Temperature range
- Lifetime: 2000hours , 105°C

Applications:

- AV (TV, Video, Audio)
- Monitor/Computer
- OA/HA Communication
- Converter/Inverter
- SMPS

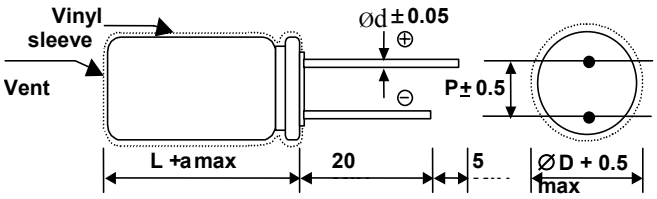
Specifications:

Items	Characteristics						
Capacitance Tolerance	±20% (M) (120Hz,20℃)						
Rated Voltage Range (WV)	6.3~50 VDC						
Operating Temperature Range	-55 ~ +105℃						
Surge Voltage (V) (20℃)	WV	6.3	10	16	25	35	50
	SV	8	13	20	32	44	63
Leakage Current (Max) (20℃)	I≤0.01CV or3μ A whichever is greater (After rated voltage applied for 2 minutes)						
	I= Leakage Current (μ A) C= Nominal Capacitance (μ F) V= Rated Voltage (V)						
Dissipation Factor (Max) (tanδ) (120Hz ,20℃)	WV	6.3	10	16	25	35	50
	tanδ	0.22	0.19	0.16	0.14	0.12	0.10
	When nominal capacitance is over 1000μ F, tanδ shall be added 0.02 to the listed value with increase of every 1000μ F.						
Low Temperature Stability Impedance Ratio (Max)	WV / Z (120Hz)	6.3	10	16	25	35	50
	Z(-25℃) / Z(20℃)	4	3	3	3	3	2
	Z(-40℃) / Z(20℃)	8	6	4	4	4	4
Load Life	After applying rated voltage for 2000 hours at 105℃, the capacitor shall meet the following requirement.						
	Capacitance Change	Within±20% of the initial value					
	Dissipation Factor	Not more than 200% of the specified value					
	Leakage Current	Not more than the specified value					
Shelf Life	After placed at 105℃without voltage applied for 1000 hours, the capacitor shall meet the same requirement as load life.						
Applicable standards	Refer to JIS C 5101						

An ISO Registered Firm

6600 Park of Commerce Boulevard • Boca Raton, Florida 33487
561-241-6700 • Fax 561-241-3328 • www.jarocomponents.com

Dimensions:



ØD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Ød	0.5	0.5	0.6	0.6	0.6	0.8	0.8
a	1.0	1.0	1.0	1.0	2.0	2.0	2.0

Multiplier for Ripple Current:

Frequency Coefficient

Frequency (Hz)	50	120	1K	10K	100K
Coefficient	0.45	0.55	0.75	0.85	1.00

Temperature coefficient

Ambient Temperature (℃)	~50	70	85	105
Coefficient	1.90	1.75	1.40	1.00

Case Size & Max Ripple Current:

Case Size (ØDxL(mm)) & Max Permissible Ripple Current (RC(mArms) / 120Hz,105℃)

W.V.	6.3			10			16		
SPEC / μF	ØDxL	RC	Z	ØDxL	RC	Z	ØDxL	RC	Z
4.7									
10									
22									
33									
47							5x11	150	0.500
100				5x11	170	0.420	6.3x11	250	0.250
220				6.3x11	260	0.220	8x11	400	0.140
330	6.3x11	250	0.250	8x11	400	0.140	8x14	560	0.100
470	8x11	400	0.140	8x14	560	0.100	10x12.5	680	0.085
1000	8x14	700	0.100	10x16	900	0.068	10x20	1110	0.039
1200	10x16	810	0.064	10x20	1070	0.044	13x20	1200	0.038
1500	10x20	1070	0.044	10x25	1110	0.039	13x20	1420	0.036
2200	10x25	1100	0.042	13x20	1200	0.038	13x25	1670	0.030
3300	13x20	1250	0.038	13x25	1470	0.030	13x36	1890	0.022
4700	13x30	1740	0.025	13x36	1890	0.022	16x36	1920	0.019
6800	16x26	1930	0.022	16x36	1920	0.019			
10000	16x36	2210	0.019						

6600 Park of Commerce Boulevard • Boca Raton, Florida 33487
561-241-6700 • Fax 561-241-3328 • www.jarocomponents.com

Case Size & Max Ripple Current: (cont'd)

Case Size (ØDxL(mm)) & Max Permissible Ripple Current (RC(mArms) / 120Hz, 105℃)

WV	25			35			50		
SPEC / μF	ØDxL	RC	Z	ØDxL	RC	Z	ψDxL	RC	Z
4.7				5x11	100	1.20	5x11	85	2.00
10				5x11	120	0.900	5x11	100	1.70
22				5x11	170	0.420	5x11	150	0.700
33				5x11	180	0.420	5x11	165	0.650
47	5x11	170	0.420	6.3x11	200	0.360	8x11	250	0.520
100	8x11	310	0.220	8x11	400	0.140	8x14	440	0.250
220	8x14	560	0.100	10x12.5	650	0.085	10x16	530	0.200
330	10x16	820	0.069	10x20	1070	0.044	10x25	810	0.072
470	10x16	900	0.068	10x25	1110	0.039	13x20	950	0.065
1000	13x20	1200	0.038	13x25	1460	0.029	16x26	1370	0.039
1200	13x25	1460	0.029	13x30	1670	0.025	16x32	1630	0.025
1500	13x30	1670	0.026	16x32	2150	0.024	16x36	1800	0.025
2200	13x36	2150	0.022	16x36	2530	0.019			
3300	16x36	2270	0.019	18x36	3100	0.016			

6600 Park of Commerce Boulevard • Boca Raton, Florida 33487
561-241-6700 • Fax 561-241-3328 • www.jarocomponents.com