

GAZ

+ 105°C Low Impedance, Low Profile Surface Mount Chip Aluminum Electrolytic Capacitors



FEATURES

- Wide Capacitance Range .47 μ F to 100 μ F
- Solvent Proof
- Low Impedance
- Low Profile
- Operating Voltage Range: 6.3 WVDC to 35 WVDC
- Extended Life

SPECIFICATIONS

Capacitance Tolerance		$\pm 20\%$ at 120Hz, 20°C				
Operating Temperature Range		-55°C to +105°C				
Dissipation Factor 120Hz, 20°C (Max)	WVDC	6.3	10	16	25	35
	tan δ	.24	.20	.16	.14	.12
Leakage current	Time	2 minutes				
		.01 CV or 3 μ A, whichever is greater				
Impedance (120Hz) Ratio at Low Temperature	-40°C/20°C	3	2	2	2	2
	-55°C/20°C	5	4	4	3	3
Load Life	1000 hours at 105°C with rated voltage					
	Capacitance change Dissipation factor Leakage current	25% of initial measured values 200% initial specified value 100% Initial specified value				
Shelf Life	1000 hours at 105°C with no applied voltage. Units will meet load specifications.					
Resistance to Soldering Heat	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.					
	Capacitance change Dissipation factor Leakage current	10% of the initial measured value 100% of specified value 100% of specified value				

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STANDARD PART LISTING

Capacitance (μ F)	WVDC	IC PART NUMBER	Maximum E.S.R. Ω 120kHz, +20°C	Impedance Ω at 100kHz +20°C	Maximum RMS Ripple Current (mA) at 100kHz, +105°C	Dimensions DxL (mm)
0.47	35	474GAZ035M	423.28	6	51	4x5.4
1	35	105GAZ035M	198.94	3.1	68	4x5.4
2.2	35	225GAZ035M	90.43	2.9	68	4x5.4
3.3	35	335GAZ035M	60.29	2.7	68	4x5.4
4.7	35	475GAZ035M	42.33	2.3	68	4x5.4
10	16	106GAZ016M	26.53	2.3	68	4x5.4
10	35	106GAZ035M	19.89	1.1	105	5x5.4
22	6.3	226GAZ6R3M	18.09	2.3	68	4x5.4

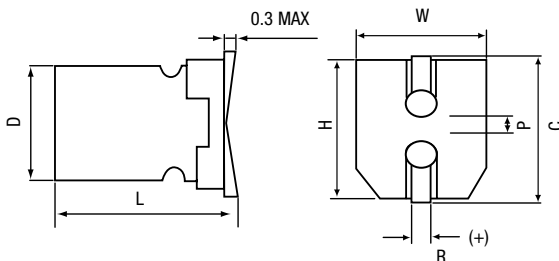
Capacitance (μ F)	WVDC	IC PART NUMBER	Maximum E.S.R. Ω 120kHz, +20°C	Impedance Ω at 100kHz +20°C	Maximum RMS Ripple Current (mA) at 100kHz, +105°C	Dimensions DxL (mm)

PHYSICAL DIMENSIONS

WVDC (V) (μ F)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)
0.47					4x5.4
1					4x5.4
2.2					4x5.4
3.3					4x5.4
4.7					4x5.4
10			5x5.4		5x5.4
22	4x5.4		5x5.4		6.3x5.4
33	5x5.4			6.3x5.4	
47			6.3x5.4		
100			6.3x5.4		

(mm)

DIMENSIONS



D _{+0.5 MAX}	L	W _{+0.2}	H _{+0.2}	C _{+0.2}	R	P _{+0.2}
4	5.4 $\pm 0.1/0.2$	4.3	4.3	5.0	0.5~0.8	1.0
5	5.4 $\pm 0.1/0.2$	5.3	5.3	6.0	0.5~0.8	1.4
6.3	5.4 $\pm 0.1/0.2$	6.6	6.6	7.3	0.5~0.8	2.2

(mm)