

PU Series

性能特点 Feature

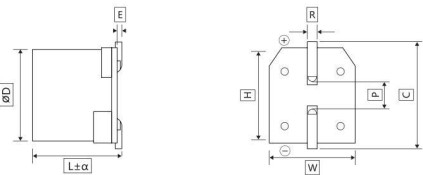
- Standard SMD type
- High reliability and high voltage are realized by hybrid electrolyte
- Rated Voltage:25~80V
- Endurance 4000 hours at 125°C
- For high temperature and high reliability applications
- RoHS Compliant



技术性能 Specifications

Category	Temperature Range	-55 to 125°C	Rated Voltage Range	25 to 80Vdc					
Rated Capacitance Range	22 to 470(μF)		Capacitance Tolerance	±20%(M)					
Surge Voltage	Rated voltage X 1.15		Dissipation Factor (at 20°C 120Hz)	Rated Range tanδ(max)	25 0.14	35 0.12	50 0.1	63 0.08	80 0.08
Leakage Current	Shall not exceed values shown in standard ratings. (at 20°C after 2 mins.)								
Endurance	125°C, 4000 hours, apply the rated ripple current without exceeding the rated voltage								
	Appearance		No significant damage						
	Capacitance Change		≤ ±30% of the initial value						
	DF(tanδ)		≤ 200% of the initial specified value						
	ESR		≤ 200% of the initial specified value						
	Leakage current		≤ The initial specified value						
Damp Heat (Steady State)	60°C,90 to 95% RH, 1000hrs, rated voltage applied								
	Appearance		No significant damage						
	Capacitance Change		≤ ±20% of the initial value						
	DF(tanδ)		≤ 200% of the initial specified value						
	ESR		≤ 200% of the initial specified value						
	Leakage current		≤ The initial specified value						
Shelf Life	After storage for 1,000 hours at 125±2°C with no voltage applied and then being stabilized at 20°C,capacitor shall meet the limits specified in Endurance.(With voltage treatment)								
	Appearance		No significant damage						
	Capacitance Change		≤ ±30% of the initial value						
	DF(tanδ)		≤ 200% of the initial specified value						
	ESR		≤ 200% of the initial specified value						
	Leakage current		≤ The initial specified value						

尺寸和标记 Dimensions And Marking



SIZE Code	ΦD±0.5 max	L	α	E	W±0.2	H±0.2	C±0.2	R	P±0.3
0608	6.3	7.5	±0.5	0.00~0.20	6.6	6.6	7.3	0.5~0.8	2.1
0810	8.0	9.7	±0.3	0.00~0.20	8.3	8.3	9.0	0.8~1.1	2.9
1010	10.0	10.2	±0.3	0.00~0.20	10.3	10.3	11.0	0.8~1.1	4.6
1012	10.0	12.3	±0.2	0.00~0.20	10.3	10.3	11.0	0.8~1.1	4.6

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标准评级 Standard Ratings

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	ESR (mΩmax/20°C, 100kHz)	Rated Ripple Current (mArms/125°C/100kHz)
25 (28.8)	100	0608	25	30	1400
	220	0810	55	27	1600
	270	0810	68	27	1600
	330	1010	83	20	2000
	470	1010	118	20	2000
35 (40.3)	68	0608	24	35	1400
	150	0810	53	27	1600
	180	0810	63	27	1600
	270	1010	95	20	2000
	330	1010	116	20	2000
50 (57.5)	33	0608	17	40	1100
	68	0810	34	30	1250
	100	1010	50	28	1600
	120	1010	60	28	1600
	180	1012	90	25	2000
63 (72.5)	22	0608	14	80	900
	33	0810	21	40	1100
	56	1010	35	30	1400
	68	1010	43	30	1400
	82	1010	52	30	1400
80 (92)	27	0810	22	45	1050
	33	1010	26	36	1360
	47	1010	38	36	1360

* 支持客户根据需求定制 Support Customer Customization According To Demand

允许纹波电流的频率校正系数 Frequency Correction Factor Of Allowable Ripple Current

Frequency	120Hz ≤ f < 1kHz	1kHz ≤ f < 10kHz	10kHz ≤ f < 100kHz	100kHz ≤ f ≤ 500kHz
Coefficient	0.05	0.3	0.7	1

产品标识 Product Identification

250	AVMC	101	M	0608
Rated Voltage	Product	Capacitance	Cap Tolerance(%)	Size code(øD×L)
250:25V	Series	101=100μF	M: ±20%	0608: 6.3×8.0mm