

HME Series

Features

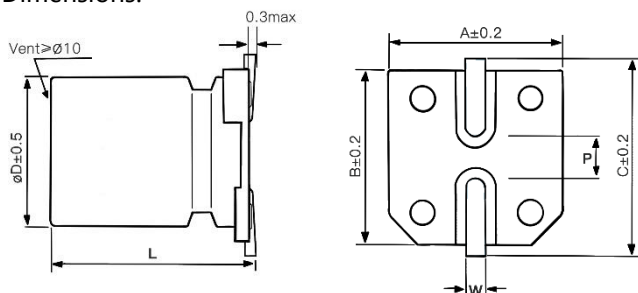
- $\phi 6.3 \sim \phi 10$, 125°C, 4000 hours assured
- Low ESR and high ripple current
- Designed for reflow soldering
- Vibration resistant structure
- RoHS 2.0 compliant, 247 SVHC & REACH compliant
- AEC-Q200 compliant, Please contact Jarson for more details, test data, information



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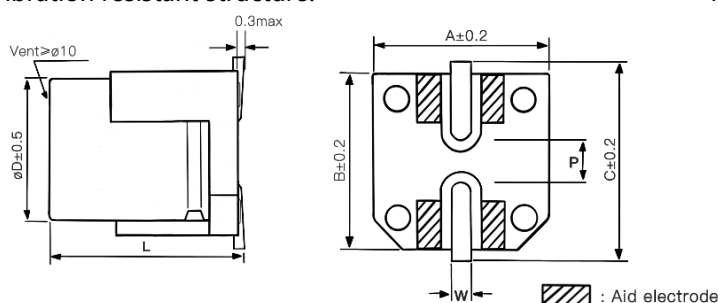
Specifications						
Category temp. range	-55℃ to +125℃					
Capacitance tolerance	±20% (120 Hz / +20 ℃)					
Leakage current	I ≤ 0.01 CV or 3 μA whichever is greater (after 2 minutes)					
Tan δ	Please see the attached characteristics list					
Characteristics at low temperature	Rated voltage (V)	25	35	50	63	Impedance ratio at 120 Hz
	Z (-25 ℃) / Z (+20 ℃)	2.0	2.0	2.0	2.0	
	Z (-55 ℃) / Z (+20 ℃)	2.5	2.5	2.5	2.5	
Endurance	After applying rated working voltage and rated ripple current for 4000 hours at +125 ℃ ± 2 ℃, and then being stabilized at +20 ℃, capacitors shall meet the following limits.					
	Capacitance change	Within ±30% of the initial value				
	Dissipation factor (tan δ)	Less than 200% of the initial value				
	ESR	Less than 200% of the initial value				
	Leakage current	Within the initial limit				
Shelf life	After storage for 1000 h at +125 ℃ ± 2 ℃ with no voltage applied and then being stabilized at +20 ℃, capacitors shall meet the limits specified in endurance.					
Resistance to soldering heat	After reflow soldering and then being stabilized at +20 ℃, capacitors shall meet the following limits.					
	Capacitance change	Within ±10% of the initial value				
	Dissipation factor (tan δ)	Within the initial limit				
	ESR	Within the initial limit				
	Leakage current	Within the initial limit				
Frequency correction factor for ripple current	Frequency	120≤ f < 1k	1k≤ f < 10k	10k≤ f < 100k	100k≤ f < 500k	
	Correction Factor	0.1	0.3	0.6	1.0	

Dimensions:

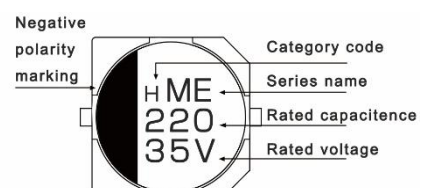


Dimensions						Unit: mm
ϕD	L	A	B	C	W	$P \pm 0.2$
6.3	7.7 ± 0.5	6.6	6.6	7.3	$0.5 \sim 0.8$	2.0
8	10 ± 0.5	8.3	8.3	9.1	$0.7 \sim 1.3$	3.1
10	10.5 ± 0.5	10.3	10.3	11.1	$0.7 \sim 1.3$	4.4
10	12.5 ± 0.5	10.3	10.3	11.1	$0.7 \sim 1.3$	4.4

Vibration resistant structure:



Marking:



Part Number System:

Conductive Polymer Hybrid Capacitors HME series 25V 220μF ±20 % 8 φ x10L

H **ME** **1E** **221** **M** **0810**

Product category Series name Rated voltage Capacitance Capacitance tolerance Case Size

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification			Part Number④	Taping&Reel
		øD (mm)	L (mm)	Rated ripple current① (mA rms)	Imp.② (Ω)	tan δ③		MPQ (pcs/reel)
25	150	6.3	7.7	1800	30	0.14	HME1E151M0607	1000
	220	8	10	2900	22	0.14	HME1E221M0810	500
	330	10	10.5	3500	16	0.14	HME1E331M1010	500
	470	10	12.5	4000	14	0.14	HME1E471M1013	400
35	100	6.3	7.7	1700	35	0.12	HME1V101M0607	1000
	150	8	10	2900	22	0.12	HME1V151M0810	500
	220	10	10.5	3400	20	0.12	HME1V221M1010	500
	270	10	10.5	3500	16	0.12	HME1V271M1010	500
50	68	8	10	2700	25	0.10	HME1H680M0810	500
	100	10	10.5	2900	23	0.10	HME1H101M1010	500
	120	10	10.5	2900	23	0.10	HME1H121M1010	500
	150	10	12.5	3500	17	0.10	HME1H151M1013	400
63	33	8	10	2400	32	0.08	HME1J330M0810	500
	47	8	10	2400	32	0.08	HME1J470M0810	500
	68	10	10.5	2800	25	0.08	HME1J680M1010	500
	82	10	10.5	2800	25	0.08	HME1J820M1010	500
	100	10	12.5	3200	20	0.08	HME1J101M1013	400

① Rated ripple current (100kHz / +125°C) ② ESR (100kHz / +20°C) ③ tan δ (120Hz / +20°C)

④ For Vibration resistant structure, the Part Number is appended with "v" at the end.

※Please refer to the page of reflow conditions for reflow profile.