HITANO
ENTERPRISE CORP. ®

EHV SERIES

- SMD TYPE Reflow Soldering is available. Series Code =H
- Life 2000 hours at 105℃
- Available For High Density Mounting

Characteristics

Voltage Range	6.3 to 100 VDC								
Capacitance Range	0.1 to 1000uF								
Temperature Range	-40 to +105℃								
Capacitance Tolerance	+20% -20% (at 20℃, 120Hz)								
Leakage Current	I≤0.01CV or 3uA, whichever is greater 2 minutes after Rated Voltage applied								
Dissipation Factor (tan δ)Max	Rated Voltage (V)	6.3	10	16	25	35	50	63	100
	(tan δ)	0.3	0.24	0.2	0.16	0.14	0.14	0.1	0.1
	(at 20℃, 120Hz)								
Stability at Low Temperature	Impedance ration at 120Hz								
	Rated Voltage (V)	6.3	10	16	25	35	50	63	100
	Z-25℃/Z 20℃	6	4	4	3	2	2	2	2
	Z-40℃/Z 20℃	12	10	8	6	4	4	3	3
Load Life	After the rated voltage has been applied for 2000 hours at 105℃	Capacitance change	Within ±25% of initial value						
		D.F. tanδ	200% of less of initial specified value						
		Leakage current	Initial specified value of less						
Shelf Life	After storage for 500 hours at 105℃, with no voltage applied and being stabilized at +20℃, Capacitor shall meet the limit specified in load life.								

Case size & Maximum Ripple Current

mA rms 85℃ 120Hz

WV / UF	6.3		10		16		25		35		50		63		100	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											A	1.0				
0.22											A	2.0				
0.33											A	3.0				
0.47											A	4.0				
1											A	8.4				
2.2											A	11				
3.3											A	13				
4.7							A	12	A	14	B	18			E	55
10					A	20	B	22	B	24	C	28			E	65
22	A	23	A	25	B	31	C	38	C	46	D	55	E	55	E	90
33	A	28	A	34	B	40	C	48	D	50	E	135	E	115	F	135
47	B	37	C	40	C	56	D	60	D	65	E	155	E	120		
100	C	57	D	60	D	62	D	180	E	180	F	315				
220	D	65	D	70	E	185	E	190	F	360						
330	E	70	E	195	E	195	F	680								
470	E	210	F	440	F	460										
1000	F	480														

Diagram of dimensions

SIZE	Dϕ	L	A	C	B	W	P
A	4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
B	5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
C	6.3	5.5	6.6	6.6	7.2	0.5~0.8	2.0
D	8	6.5	8.3	8.3	9.0	0.5~0.8	2.2
E	8	10.5	8.3	8.3	9.0	0.8~1.1	3.1
F	10	10.5	10.3	10.3	11.0	0.8~1.1	4.5