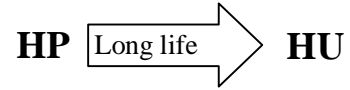


HU Series Snap-in Type 105°C

Features

- ◆ Load life 3000 hours 105°C
- ◆ ROHS compliant

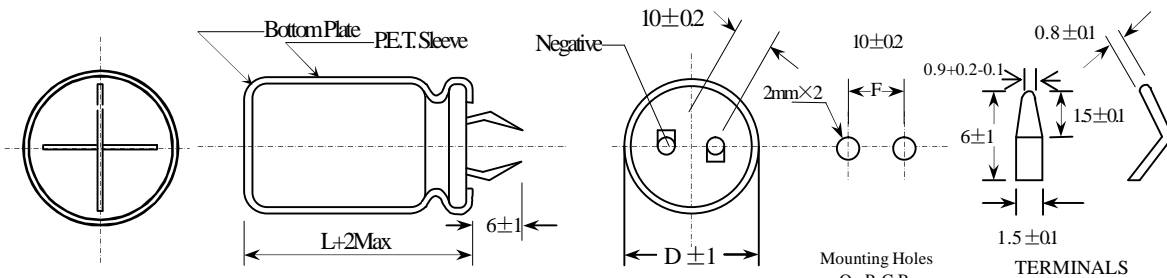


Specifications

Item	Performance Characteristics						
Operating Temperature Range	-40 to +105°C	-25 to +105°C					
Capacitance Range	560 to 47000uF	47 to 2700uF					
Rate voltage Range	16 to 100VDC	160 to 450VDC					
Capacitance Tolerance	±20% (120Hz, +20°C)	±20% (120Hz, +20°C)					
Leakage Current(+20°C, max.)	$I \leq 3\sqrt{CV}$ (μA) After 5 minute with rated working voltage applied. C.:rated Capacitance (μF), V:working voltage(V)						
Dissipation Factor(tanδ) (+20°C, at 120Hz)	Cap(μF)/ W.V.(V)	16	25~35	50~63	80~100	160~250	315~450
	47~390	-	-	-	15	15	20
	470~3900	-	20	20	20	15	20
	4700~8200	35	30	30	25	-	-
	10000~22000	40	35	30	-	-	-
	27000~47000	45	40	35	-	-	-
Low Temperature Characteristics (120Hz)	Impedance ratio max.						
	Rated voltage	16	25~100	160~250	315~450		
	Z-25°C/Z+20°C	5	4	4	8		
	Z-40°C/Z+20°C	20	20	-	-		
Load Life	Test condition						
	Duration time	:3000Hrs					
	Ambient temperature	:+105°C					
	Applied voltage	:Rated DC working voltage					
	After test requirement at +20°C						
	Capacitance change	: ≅ ±20% of the initial measured value					
Dissipation factor	: ≅ 200% of the initial specified value						
Leakage current	: ≅ The initial specified value						
Shelf Life	Test condition						
	Duration time	:1000Hrs					
	Ambient temperature	:+105°C					
	Applied voltage	:None					
	After test requirement at +20°C	:Same limits as Load life.					
	Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.						

Multiplier for Ripple Current vs. Frequency

CAP (μF) \ Hz	50(60)	120	1K	10K	50K-100K
10<CAP ≤ 100	0.8	1	1.36	1.48	1.53
100<CAP ≤ 1000	0.8	1	1.25	1.35	1.38
1000<CAP	0.8	1	1.17	1.25	1.28



Case size

HU系列105度3000H (Snap-in)

WV Cap(uF)	16V		25V		35V		50V		63V	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1200									22x26	1250
1500									22x31 25x26	1470 1440
1800							22x26	1340	22x31 25x26	1580 1520
2200							22x31	1500	22x36 25x31	1820 1750
2700							22x31 25x26	1700 1700	22x41 25x36 30x26	2070 2110 1930
3300					22x26	1450	22x36 25x31	1980 2000	22x46 25x36 30x31	2330 2270 2240
3900					22x31	1690	22x41 25x31 30x26	2250 2280 2220	25x41 30x36	2540 2550
4700			22x26	1610	22x36 25x26	2020 1780	22x46 25x36 30x31	2560 2610 2580	25x51 30x41 35x32	2970 2900 2830
5600			22x31	1800	22x36 25x31 30x26	2130 2040 2120	22x51 25x41 30x31	2890 2810 2950	30x41 35x37	3280 3240
6800	22x26	1750	22x31 25x26	1910 1910	22x41 25x36 30x26	2410 2310 2310	25x46 30x36 35x32	3370 3390 3310	30x51 35x42	3730 3710
8200	22x31	2000	22x36 25x31 30x26	2140 2340 2250	22x51 25x41 30x31	2850 2730 2750	30x41 35x37	3710 3660	35x47	4160
10000	22x31 25x26	2100 2050	22x41 25x36 30x31	2650 2610 2610	25x46 30x36	3050 3050	30x51 35x42	4090 4070	35x52	4690
12000	22x36 25x31 30x26	2310 2300 2380	22x46 25x41 30x31	2690 2810 2740	25x51 30x41 35x32	3370 3280 3200	35x47	4560		
15000	22x41 25x36 30x31	2680 2680 2570	25x46 30x36 35x32	3270 3130 3260	30x46 35x37	3740 3690	35x52	4770		
18000	22x46 25x41 30x31	2980 3160 3000	25x51 30x41 35x37	3540 3560 3840	35x42	4370				
22000	25x46 30x36 35x32	3400 3390 3250	30x46 35x37	4240 3960	35x52	4920				
27000	25x51 30x41 35x32	3850 3830 3740	35x47	4750						
33000	30x46 35x37	4300 4270	35x52	5500						
39000	30x51 35x42	4810 4800								
47000	35x47	5530								

Ripple Current(mA rms) at 105°C /120Hz

CapXon

HU Series

Case size

WV Cap(uF)	80V		100V		160V		200V		220V	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
180									20x26	900
220							20x26 22x26	1000 1050	20x31 22x26	1050 1100
270					20x26	1100	20x31	1100	20x36 22x31	1150 1150
330					20x31	1200	20x36 22x31 25x26	1200 1250 1250	20x41 22x36 25x26	1250 1250 1250
390					20x31 22x26	1300 1300	20x41 22x31 25x26	1310 1350 1350	20x46 22x36 25x31	1400 1400 1400
470					20x36 22x31 25x26	1340 1550 1550	20x46 22x36 25x31 30x26	1450 1500 1500 1500	20x51 22x41 25x36 30x26	1450 1450 1450 1450
560			22x26	1070	20x41 22x36 25x31 30x26	1500 1670 1670 1670	20x51 22x41 25x31 30x26	1580 1670 1670 1670	22x46 25x41 30x31	1700 1700 1700
680			22x31 25x26	1220 1220	20x46 22x41 25x31 30x26	1700 1820 1820 1820	22x46 25x36 30x31 35x27	1780 1780 1780 1780	25x46 30x36 35x27	1780 1780 1780
820	22x26	1110	22x31 25x26	1350 1350	22x46 25x36 30x31 35x27	2040 2040 2040 2040	22x51 25x46 30x31 35x27	2040 2040 2040 2040	25x51 30x41 35x32	2100 2100 2100
1000	22x26	1290	22x31 25x31	1540 1560	22x51 25x41 30x31 35x27	2250 2250 2250 2250	25x51 30x36 35x32	2300 2300 2300	30x46 35x37	2400 2400
1200	22x31 25x26	1440 1390	22x41 25x31 30x26	1740 1760 1710	25x46 30x36 35x32	2490 2490 2490	30x41 35x32	2650 2650	30x51 35x42	2600 2600
1500	22x31 25x26	1610 1620	22x46 25x36 30x31	1990 2030 2000	30x41 35x32	2840 2840	30x51 35x42	3080 3080	35x47	3000
1800	22x36 25x31 30x26	1830 1860 1810	25x41 30x36	2280 2270	30x46 35x37	3320 3000	35x47	3480		
2200	22x41 25x36 30x26	2090 2010 2100	25x51 30x36 35x32	2570 2590 2520	35x47	3500	35x52	3780		
2700	25x41 30x31	2430 2430	30x46 35x37	2940 2900	35x52	4000				
3300	25x46 30x36 35x32	2760 2780 2710	30x51 35x42	3320 3310						
3900	25x51 30x41 35x32	2920 3120 3070	35x47	3690						
4700	30x46 35x37	3520 3500	35x52	4140						
5600	30x51 35x42	3800 3870								
6800	35x47	4190								

Ripple Current(mA rms) at 105°C /120Hz

CapXon

HU Series

Case size

WV Cap(μF)	250V		315V		400V		420V		450V	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
47									20x26	390
56					20x26	510	20x26	510	20x31	510
68					20x31 22x26	560	20x31	560	20x36 22x26	560 520
82			20x26	640	20x31 22x26	640 640	20x36 22x26	640 640	20x36 22x31 25x26	640 640 640
100			20x31	690	20x36 22x31 25x26	700 700 700	20x36 22x31 25x26	700 700 700	20x46 22x36 25x31	690 690 690
120			20x31 22x26	750 750	20x41 22x36 25x26	750 750 750	20x41 22x36 25x31	750 750 750	20x51 22x41 25x31 30x26	750 800 800 800
150	20x26	790	20x36 22x31 25x26	820 820 820	20x46 22x41 25x26 25x31 30x26	830 880 830 880 880	20x51 22x41 25x36 30x26	880 880 880 880	22x46 25x36 30x31	880 880 880
180	20x31	900	20x41 22x36 25x26	900 920 920	22x46 25x36 30x31 35x27	980 980 980 980	22x46 25x36 30x31	950 950 950	22x51 25x41 30x31	1000 1000 1000
220	20x31 22x26	1000 1100	20x51 22x41 25x31 30x26	1000 1040 1040 1040	22x51 25x41 30x31 35x27	1100 1100 1100 1100	22x51 25x46 30x36 35x27	1100 1100 1100 1100	22x51 25x46 30x36 35x32	1000 1120 1120 1120
270	20x36 22x36 25x26	1100 1180 1180	22x46 25x36 30x26	1160 1160 1160	22x51 25x46 30x36 35x35	1190 1220 1220 1220	25x51 30x41 35x32	1220 1220 1220	30x41 35x37	1280 1280
330	20x41 22x41 25x31 30x26	1200 1300 1300 1300	22x51 25x41 30x31 35x27	1330 1330 1330 1330	22x61 25x51 30x41 35x32	1450 1440 1440 1440	30x46 30x51 35x37	1450 1515 1450	30x51 35x42	1450 1450
390	20x51 22x46 25x36 30x26	1450 1490 1490 1490	25x46 30x36 35x32	1470 1470 1470	30x46 35x37	1600 1600	30x51 35x42	1550 1550	35x42	1500
470	22x51 25x41 30x31 35x27	1650 1650 1650 1650	25x51 30x41 35x32	1700 1700 1700	30x51 35x42 35x47	1900 1900 2100	35x47	1900	35x52	1850
560	25x46 30x36 35x27	1800 1800 1800	30x46 35x37	2050 2050	35x47	2120	35x47 35x52	2100 2150	35x57	2150
680	25x51 30x41 35x32	2000 2000 2000	30x51 35x42	2170 2170	35x57	2350	35x57	2350	35x57 35x62	2200 2300
820	30x46 35x37	2300 2300	35x47	2200	35x57	2500				
1000	30x51 35x42	2470 2470			35x80	2650				
1200	35x47	2600			35x80	2750				
1500	35x52	3000								

Ripple Current(mA rms) at 105 °C /120Hz