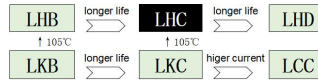


# Snap in capacitor



## LHC Series 105°C 8000 hours.



- Rohs requirements.
- 105°C 8000 hours series.
- Used for industrial power supplies, servo, inverter, and other industrial products.

### Product description

Item	Characteristic	
Operating temperature range	-40°C~+105°C	-25°C~+105°C
Rated voltage(WV/V)	160V~450V	460V~550V
Capacitance(CAP/C)	100~3300	
Tolerance(CAP/C)	±20% (25°C, 120Hz)	
Leakage current LC/(25°C, 120Hz)	LC≤0.01CV(μA) or 1.5mA, whichever is smaller (25°C, 5min) C=Nominal capacitance(μF),V=Working voltage(V)	
Dissipation factorDF/tan δ(25°C, 120Hz)	UR(V)	160~450
	DF	0.15
Temperature characteristics (Impedance ratio at 120Hz)	UR(V)	160~450
	Z(-25°C/Z(+25°C))	4
	Z(-40°C/Z(+25°C))	8
Temperature characteristics (Capacitance ratio at 120Hz)	C(-40°C/C(+25°C))≥0.6	
	C(-25°C/C(+25°C))≥0.7	

	Working lifetime		Standard lifetime	Durability	High temperature storage
Load time	10000h	>180000h	8000h	8000h	1000h
Leakage current LC/(25°C, 120Hz)	Within rated specification value		Within rated specification value	Within rated specification value	Within rated specification value
Capacitance change	Within ±30% of the initial value of earth		Within ±20% of initial value	Within ±20% of initial value	Within ±20% of initial value
Dissipation factor	Within 300% of rated specification value		Within 200% of rated specification value	Within 200% of rated specification value	Within 200% of rated specification value
Environmental condition: Applied voltage	UR	UR	UR	UR	UR=0
Applied current	IR	1.2×IR	IR	IR=0	IR=0
Application temperature	105°C	40°C	105°C	105°C	105°C

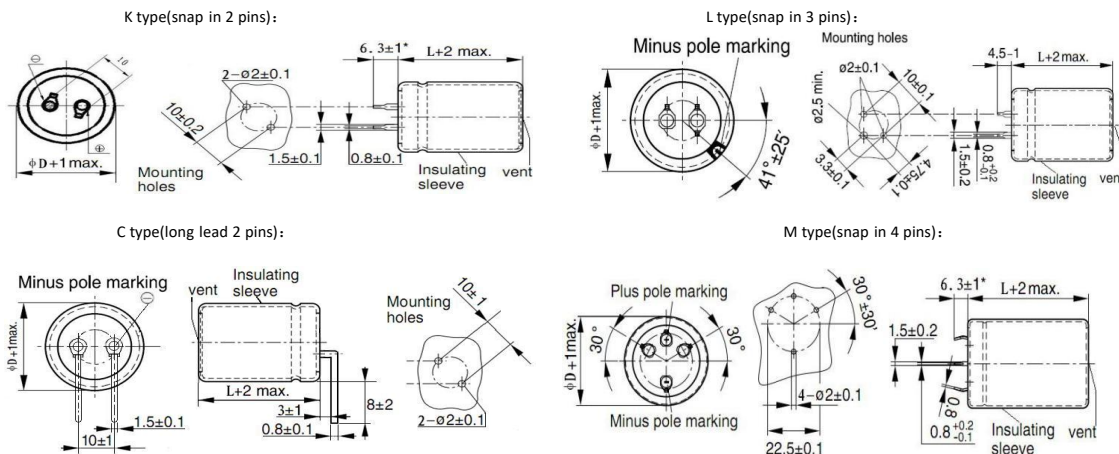
Apply the rated operating voltage UR30 minutes and test after 24 hours of recovery.

### Ripple current correction factor

Temp. °C	40	55	85	105	Freq.	50/60Hz	120Hz	300KHz	1KHz	≥10KHz
Coefficient	3.0	2.8	2.0	1.0	Coefficient	0.80	1.00	1.15	1.30	1.41

Aluminum electrolytic capacitors age due to self-heating and temperature rise when the ripple current is superimposed, and the use temperature rise will reduce the product life, to keep the product life, please reduce the ripple current during use.

### Outline drawing Unit: Mm



■ LHC series:105°C 8000 hours,long lifetime snap-in capacitor

WV (V.DC)	CAP 25°C, 120Hz (μF)	DF 25°C, 120Hz	Max ESR 25°C, 120Hz (mΩ)	ESR (typ.) 25°C, 120Hz (mΩ)	Rated Ripple Current 105°C, 120Hz (Arms)	Size ΦD×L (mm)	CodeP/N
(V.DC)	(μF)	(mΩ)	(mΩ)	(mΩ)	(Arms)	(mm)	-
160 2C (200)	470	0.15	423	254	1.2	22 x 50	LHC2C471MP050***
	560	0.15	355	213	1.36	22 x 50	LHC2C561MP050***
	680	0.15	293	176	1.52	22 x 50	LHC2C681MP050***
		0.15	293	176	1.44	25 x 50	LHC2C681MQ050***
	820	0.15	243	146	1.68	22 x 60	LHC2C821MP060***
		0.15	243	146	1.68	25 x 50	LHC2C821MQ050***
		0.15	199	119	1.92	22 x 60	LHC2C102MP060***
	1000	0.15	199	119	1.92	25 x 60	LHC2C102MQ060***
		0.15	199	119	2	30 x 45	LHC2C102MR045***
		0.15	166	100	2.24	25 x 60	LHC2C122MQ060***
	1200	0.15	166	100	2.24	30 x 40	LHC2C122MR040***
		0.15	166	100	2.24	35 x 30	LHC2C122MS030***
		0.15	133	80	2.48	25 x 65	LHC2C152MQ065***
	1500	0.15	133	80	2.48	25 x 70	LHC2C152MQ070***
		0.15	133	80	2.56	30 x 50	LHC2C152MR050***
		0.15	111	66	2.88	25 x 70	LHC2C182MQ070***
	1800	0.15	111	66	2.88	30 x 60	LHC2C182MR060***
		0.15	111	66	2.8	35 x 40	LHC2C182MS040***
		0.15	90	54	3.28	30 x 55	LHC2C222MR055***
	2200	0.15	90	54	3.28	30 x 60	LHC2C222MR060***
		0.15	90	54	3.2	35 x 50	LHC2C222MS050***
		0.15	90	54	3.2	35 x 45	LHC2C222MS045***
		0.15	74	44	3.68	35 x 50	LHC2C272MS050***
	2700	0.15	74	44	3.84	35 x 55	LHC2C272MS055***
0.15		60	36	4.32	35 x 60	LHC2C332MS060***	
200 2D (250)	390	0.15	510	306	1.04	22 x 50	LHC2D391MP050***
	470	0.15	423	254	1.2	22 x 50	LHC2D471MP050***
	560	0.15	355	213	1.36	22 x 60	LHC2D561MP060***
		0.15	355	213	1.28	25 x 50	LHC2D561MQ050***
	680	0.15	293	176	1.52	22 x 60	LHC2D681MP060***
		0.15	293	176	1.52	25 x 50	LHC2D681MQ050***
		0.15	293	176	1.52	30 x 45	LHC2D681MR045***
	820	0.15	243	146	1.76	22 x 70	LHC2D821MP070***
		0.15	243	146	1.76	25 x 60	LHC2D821MQ060***
	1000	0.15	199	119	2	25 x 60	LHC2D102MQ060***
		0.15	199	119	2	30 x 40	LHC2D102MR040***
		0.15	199	119	2.16	35 x 35	LHC2D102MS035***
		0.15	199	119	2.16	35 x 40	LHC2D102MS040***
	1200	0.15	166	100	2.16	25 x 70	LHC2D122MQ070***
		0.15	166	100	2.24	30 x 50	LHC2D122MR050***
		0.15	166	100	2.24	30 x 60	LHC2D122MR060***
		0.15	166	100	2.4	35 x 40	LHC2D122MS040***

WV (V.DC)	CAP 25°C, 120Hz (μF)	DF 25°C, 120Hz	Max ESR 25°C, 120Hz (mΩ)	ESR (typ.) 25°C, 120Hz (mΩ)	Rated Ripple Current 105°C, 120Hz (Arms)	Size ΦD×L (mm)	CodeP/N	
(V.DC)	(μF)	(mΩ)	(mΩ)	(mΩ)	(Arms)	(mm)	-	
200 2D (250)	1500	0.15	133	80	2.64	30 x 60	LHC2D152MR060***	
		0.15	133	80	2.64	30 x 65	LHC2D152MR065***	
		0.15	133	80	2.72	35 x 50	LHC2D152MS050***	
	1800	0.15	111	66	2.96	30 x 70	LHC2D182MR070***	
		0.15	111	66	3.04	35 x 55	LHC2D182MS055***	
		0.15	111	66	3.04	35 x 60	LHC2D182MS060***	
	2200	0.15	90	54	3.44	35 x 60	LHC2D222MS060***	
		0.15	90	54	3.44	35 x 65	LHC2D222MS065***	
		0.15	74	44	3.92	35 x 70	LHC2D272MS070***	
	250 2E (300)	270	0.15	737	442	0.88	22 x 45	LHC2E271MP045***
		330	0.15	603	362	1.04	22 x 50	LHC2E331MP050***
		390	0.15	510	306	1.12	22 x 55	LHC2E391MP055***
0.15			510	306	1.12	25 x 45	LHC2E391MQ045***	
470		0.15	423	254	1.28	22 x 60	LHC2E471MP060***	
		0.15	423	254	1.28	25 x 50	LHC2E471MQ050***	
560		0.15	355	213	1.44	22 x 65	LHC2E561MP065***	
		0.15	355	213	1.44	25 x 55	LHC2E561MQ055***	
		0.15	355	213	1.44	30 x 35	LHC2E561MR035***	
680		0.15	293	176	1.6	25 x 60	LHC2E681MQ060***	
		0.15	293	176	1.68	30 x 40	LHC2E681MR040***	
		0.15	293	176	1.76	35 x 30	LHC2E681MS030***	
	0.15	243	146	1.84	25 x 65	LHC2E821MQ065***		
820	0.15	243	146	1.92	30 x 45	LHC2E821MR045***		
	0.15	243	146	2	35 x 35	LHC2E821MS035***		
	0.15	199	119	2.16	30 x 50	LHC2E102MR050***		
1200	0.15	166	100	2.4	35 x 50	LHC2E122MS050***		
	0.15	166	100	2.4	35 x 55	LHC2E122MS055***		
	0.15	166	100	2.56	35 x 60	LHC2E122MS060***		
	1500	0.15	133	80	2.88	35 x 50	LHC2E152MS050***	
	1800	0.15	111	66	3.2	35 x 60	LHC2E182MS060***	
	315 2F (365)	180	0.15	1106	663	0.8	22 x 50	LHC2D181MP050***
220		0.15	905	543	0.88	22 x 50	LHC2D221MP050***	
270		0.15	737	442	0.96	22 x 55	LHC2D271MP055***	
		0.15	737	442	0.96	25 x 50	LHC2D271MQ050***	
330		0.15	603	362	1.12	22 x 60	LHC2D331MP060***	
		0.15	510	306	1.28	22 x 65	LHC2D391MP065***	
		0.15	510	306	1.28	22 x 70	LHC2D391MP070***	
390		0.15	510	306	1.28	25 x 60	LHC2D391MQ060***	
		0.15	423	254	1.44	22 x 65	LHC2D471MP065***	
		0.15	423	254	1.44	25 x 50	LHC2D471MQ050***	
		0.15	423	254	1.44	30 x 40	LHC2D471MR040***	
470		0.15	603	362	1.12	35 x 30	LHC2D471MS030***	

■ LHC series:105°C 8000 hours,long lifetime snap-in capacitor

WV (V.DC)	CAP 25°C, 120Hz (μF)	DF 25°C, 120Hz	Max ESR 25°C, 120Hz (mΩ)	ESR (typ.) 25°C, 120Hz (mΩ)	Rated Ripple Current 105°C, 120Hz (Arms)	Size ΦD×L (mm)	CodeP/N		
(V.DC)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)	-	-		
315 2F (365)	560	0.15	355	213	1.6	25 x 70	LHC2F561MQ070***		
		0.15	355	213	1.5	30 x 50	LHC2F561MR050***		
		0.15	355	213	1.6	30 x 45	LHC2F561MR045***		
	680	1200	0.15	293	176	1.8	30 x 50	LHC2F681MR050***	
			0.15	293	176	1.8	30 x 60	LHC2F681MR060***	
			0.15	293	176	1.8	35 x 40	LHC2F681MS040***	
	820	1000	0.15	243	146	2.0	30 x 60	LHC2F821MR060***	
			0.15	243	146	2.1	35 x 45	LHC2F821MS045***	
	350 2V (400)	120	0.15	1659	995	0.6	22 x 50	LHC2V121MP050***	
			0.15	1327	796	0.6	22 x 50	LHC2V151MP050***	
		180	330	0.15	1106	663	0.7	22 x 60	LHC2V181MP060***
				0.15	1106	663	0.7	25 x 60	LHC2V181MQ060***
220		470	0.15	905	543	0.8	22 x 60	LHC2V221MP060***	
			0.15	905	543	0.8	25 x 50	LHC2V221MQ050***	
			0.15	905	543	0.8	30 x 35	LHC2V221MR035***	
270		560	0.15	737	442	1.0	22 x 70	LHC2V271MP070***	
			0.15	737	442	1.0	22 x 70	LHC2V271MP070***	
			0.15	737	442	1.0	25 x 60	LHC2V271MQ060***	
			0.15	737	442	1.0	30 x 40	LHC2V271MR040***	
330		820	0.15	603	362	1.1	22 x 70	LHC2V331MP070***	
	0.15		603	362	1.1	25 x 60	LHC2V331MQ060***		
	0.15		603	362	1.1	30 x 40	LHC2V331MR040***		
390	1000	0.15	510	306	1.3	25 x 60	LHC2V391MQ060***		
		0.15	510	306	1.3	25 x 70	LHC2V391MQ070***		
		0.15	510	306	1.3	30 x 45	LHC2V391MR045***		
470	1200	0.15	423	254	1.4	25 x 70	LHC2V471MQ070***		
		0.15	423	254	1.4	30 x 45	LHC2V471MR045***		
		0.15	423	254	1.4	35 x 50	LHC2V471MS050***		
560	1000	0.15	355	213	1.6	30 x 60	LHC2V561MR060***		
		0.15	355	213	1.6	35 x 40	LHC2V561MS040***		
680	820	0.15	293	176	1.9	30 x 60	LHC2V681MR060***		
		0.15	293	176	1.9	35 x 50	LHC2V681MS050***		
820	1000	0.15	243	146	2.1	35 x 50	LHC2V821MS050***		
		0.15	243	146	2.1	35 x 60	LHC2V821MS060***		
1000	1200	0.15	199	119	2.2	35 x 60	LHC2V102MS060***		
		0.15	199	119	2.2	40 x 50	LHC2V102MB050***		
1200	1200	0.15	141	91	2.4	35 x 70	LHC2V122MS070***		
		0.15	141	91	2.4	40 x 60	LHC2V122MB060***		

WV (V.DC)	CAP 25°C, 120Hz (μF)	DF 25°C, 120Hz	Max ESR 25°C, 120Hz (mΩ)	ESR (typ.) 25°C, 120Hz (mΩ)	Rated Ripple Current 105°C, 120Hz (Arms)	Size ΦD×L (mm)	CodeP/N	
(V.DC)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)	-	-	
400 2G (450)	150	0.15	1327	708	0.72	22 x 50	LHC2G151MP050***	
		0.15	1327	708	0.72	25 x 45	LHC2G151MQ045***	
	180	0.15	1106	590	0.8	22 x 60	LHC2G181MP060***	
		0.15	1106	590	0.8	25 x 50	LHC2G181MQ050***	
	220	330	0.15	905	483	0.88	22 x 60	LHC2G221MP060***
			0.15	905	483	0.88	25 x 50	LHC2G221MQ050***
			0.15	905	483	0.96	30 x 50	LHC2G221MR050***
	270	470	0.15	737	393	1.04	22 x 70	LHC2G271MP070***
			0.15	737	393	1.04	25 x 60	LHC2G271MQ060***
	330	560	0.15	737	393	1.04	30 x 40	LHC2G271MR040***
			0.15	603	322	1.2	25 x 60	LHC2G331MQ060***
			0.15	603	322	1.2	30 x 40	LHC2G331MR040***
	390	820	0.15	603	322	1.2	35 x 30	LHC2G331MS030***
			0.15	510	272	1.28	25 x 70	LHC2G391MQ070***
			0.15	510	357	1.28	30 x 45	LHC2G391MR045***
	470	1000	0.15	510	272	1.36	35 x 40	LHC2G391MS040***
			0.15	423	226	1.44	30 x 60	LHC2G471MR060***
	560	1200	0.15	423	226	1.52	35 x 40	LHC2G471MS040***
			0.15	355	190	1.68	30 x 60	LHC2G561MR060***
	680	1000	0.15	355	190	1.68	35 x 50	LHC2G561MS050***
			0.15	293	156	1.92	35 x 50	LHC2G681MS050***
	820	1200	0.15	243	170	2.16	35 x 60	LHC2G821MS060***
			0.15	199	106	2.56	35 x 70	LHC2G102MS070***
	1000	1200	0.15	166	88	2.96	35 x 80	LHC2G122MS080***
0.15			1990	1128	0.56	22 x 50	LHC2X101MP050***	
120	150	0.15	1659	940	0.64	22 x 50	LHC2X121MP050***	
		0.15	1659	940	0.64	25 x 50	LHC2X121MQ050***	
150	180	0.15	1327	752	0.72	22 x 60	LHC2X151MP060***	
		0.15	1106	627	0.8	22 x 60	LHC2X181MP060***	
180	220	0.15	1106	627	0.8	25 x 50	LHC2X181MQ050***	
		0.15	1106	627	0.88	30 x 40	LHC2X181MR040***	
220	270	0.15	905	513	0.96	22 x 70	LHC2X221MP070***	
		0.15	905	513	0.96	22 x 70	LHC2X221MP070***	
		0.15	905	513	0.96	25 x 60	LHC2X221MQ060***	
		0.15	905	513	0.96	30 x 40	LHC2X221MR040***	
270	330	0.15	737	418	1.04	25 x 60	LHC2X271MQ060***	
		0.15	737	418	1.04	30 x 40	LHC2X271MR040***	
330	330	0.15	737	418	1.12	35 x 30	LHC2X271MS030***	
		0.15	603	342	1.2	25 x 70	LHC2X331MQ070***	
330	330	0.15	603	342	1.2	30 x 50	LHC2X331MR050***	
		0.15	603	342	1.28	35 x 35	LHC2X331MS035***	

■ LHC series:105 °C 8000 hours,long lifetime snap-in capacitor

WV (V.DC)	CAP 25 °C, 120Hz (μF)	DF 25 °C, 120Hz	Max ESR 25 °C, 120Hz (mΩ)	ESR (typ.) 25 °C, 120Hz (mΩ)	Rated Ripple Current 105 °C, 120Hz (Arms)	Size ΦD×L (mm)	CodeP/N	
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-	
420 2X (470)	390	0.15	510	289	1.36	30 x 50	LHC2X391MR050***	
		0.15	510	289	1.36	35 x 35	LHC2X391MS035***	
		0.15	510	289	1.36	35 x 40	LHC2X391MS040***	
	470	0.15	423	240	1.52	30 x 60	LHC2X471MR060***	
		0.15	423	240	1.6	35 x 45	LHC2X471MS045***	
	560	0.15	355	201	1.76	35 x 45	LHC2X561MS045***	
	680	0.15	293	166	2	35 x 55	LHC2X681MS055***	
	820	0.15	243	138	2.4	35 x 60	LHC2X821MS060***	
	1000	0.15	199	113	2.72	35 x 70	LHC2X102MS070***	
	1200	0.15	166	94	3.04	35 x 80	LHC2X122MS080***	
	450 2W (500)	120	0.15	2212	885	0.64	22 x 50	LHC2W121MP050***
			0.15	2212	885	0.64	22 x 55	LHC2W121MP055***
0.15			2212	885	0.64	25 x 45	LHC2W121MQ045***	
150		0.15	1769	708	0.72	22 x 60	LHC2W151MP060***	
		0.15	1769	708	0.72	25 x 50	LHC2W151MQ050***	
180		0.15	1474	590	0.88	22 x 65	LHC2W181MP065***	
		0.15	1474	590	0.88	25 x 55	LHC2W181MQ055***	
		0.15	1474	590	0.88	30 x 35	LHC2W181MR035***	
220		0.15	1206	483	0.96	22 x 70	LHC2W221MP070***	
		0.15	1206	483	0.96	25 x 60	LHC2W221MQ060***	
		0.15	1206	483	0.96	30 x 40	LHC2W221MR040***	
270		0.15	983	393	1.04	25 x 65	LHC2W271MQ065***	
		0.15	983	393	1.04	30 x 45	LHC2W271MR045***	
		0.15	983	393	1.12	35 x 35	LHC2W271MS035***	
330		0.15	804	322	1.2	30 x 50	LHC2W331MR050***	
390		0.15	680	272	1.36	30 x 55	LHC2W391MR055***	
		0.15	680	272	1.36	35 x 40	LHC2W391MS040***	
		0.15	680	272	1.36	35 x 40	LHC2W391MS040***	
470		0.15	565	226	1.6	35 x 45	LHC2W471MS045***	
		0.15	565	226	1.6	35 x 50	LHC2W471MS050***	
		0.15	565	226	1.6	35 x 55	LHC2W471MS055***	
560		0.15	474	190	1.76	35 x 55	LHC2W561MS055***	
680		0.15	390	156	2.08	35 x 60	LHC2W681MS060***	
		0.15	390	156	2.08	35 x 65	LHC2W681MS065***	
820		0.15	324	129	2.4	35 x 70	LHC2W821MS070***	
1000		0.15	265	106	2.72	35 x 80	LHC2W102MS080***	
		0.15	265	106	2.72	40 x 70	LHC2W102MB070***	
1200		0.15	221	88	2.96	35 x 100	LHC2W122MS100***	
		0.15	221	88	2.96	40 x 80	LHC2W102MB080***	
500 2H (550)		100	0.15	2654	1062	0.64	25 x 50	LHC2H101MQ050***
	0.15		2212	885	0.72	25 x 60	LHC2H121MQ060***	
	120	0.15	2212	885	0.72	30 x 40	LHC2H121MR040***	
		0.15	2212	885	0.72	30 x 40	LHC2H151MR040***	
	180	0.15	1474	590	0.96	30 x 50	LHC2H181MR050***	
	220	0.15	1206	483	0.8	25 x 70	LHC2H221MQ070***	
		0.15	1206	483	1.04	30 x 50	LHC2H221MR050***	
		0.15	1206	483	0.96	35 x 40	LHC2H221MS040***	
	270	0.15	983	393	1.2	30 x 60	LHC2H271MR060***	
		0.15	983	393	1.2	35 x 50	LHC2H271MS050***	
	330	0.15	804	322	1.28	35 x 50	LHC2H331MS050***	
	390	0.15	680	272	1.44	35 x 60	LHC2H391MS060***	
	470	0.15	565	226	1.6	35 x 60	LHC2H471MS060***	
		0.15	565	226	1.6	35 x 70	LHC2H471MS070***	
	560	0.15	474	190	1.76	35 x 70	LHC2H561MS070***	
		0.15	474	190	1.76	40 x 60	LHC2H561MB060***	
	680	0.15	390	156	1.92	35 x 80	LHC2H681MS080***	
		0.15	390	156	1.92	40 x 70	LHC2H681MB070***	
	820	0.15	324	129	2.08	35 x 100	LHC2H821MS100***	
		0.15	324	129	2.08	40 x 80	LHC2H821MB080***	
	1000	0.15	265	106	2.24	40 x 100	LHC2H102MB100***	
		0.15	265	106	2.24	45 x 80	LHC2H102MV080***	
	1200	0.15	128	88	2.56	45 x 90	LHC2H122MV090***	
	1500	0.15	128	68	2.88	45 x 110	LHC2H152MV110***	
	550 2Y (600)	180	0.15	2108	881	0.64	35 x 40	LHC2H181MS040***
		220	0.15	1750	698	0.88	35 x 50	LHC2H221MS050***
		270	0.15	1229	590	1.04	35 x 60	LHC2H271MS060***
		330	0.15	1005	483	1.12	35 x 70	LHC2H331MS070***
		390	0.15	851	408	1.28	35 x 70	LHC2H391MS070***
		470	0.15	706	339	1.44	35 x 80	LHC2H471MS080***
0.15			706	339	1.44	40 x 70	LHC2H471MB070***	
560		0.15	592	284	1.6	35 x 90	LHC2H561MS090***	
		0.15	592	284	1.6	40 x 80	LHC2H561MB080***	
680		0.15	488	234	1.84	40 x 90	LHC2H681MB090***	
		0.15	488	234	1.84	45 x 80	LHC2H681MV080***	
820		0.15	320	189	2.08	40 x 100	LHC2H821MB100***	
		0.15	320	189	2.08	45 x 90	LHC2H821MV090***	
1000		0.15	280	161	2.32	40 x 100	LHC2H102MB100***	
		0.15	280	161	2.32	45 x 90	LHC2H102MV090***	

\*\*\* Indicates terminal type, length, and sleeve color.

If you need to know more about product specifications, sizes and other relevant data, if not fully listed, you can contact through phone, wechat and other tools to understand.

The content recorded in the catalog book may be changed without notification. Your company is requested to require us to provide specifications when purchasing and using, and use it as the standard.

LHC2H181MS040\*\*\*  
LHC2H221MS050\*\*\*  
LHC2H271MS060\*\*\*  
LHC2H331MS070\*\*\*  
LHC2H391MS070\*\*\*  
LHC2H471MS080\*\*\*  
LHC2H471MB070\*\*\*  
LHC2H561MS090\*\*\*  
LHC2H561MB080\*\*\*  
LHC2H681MB090\*\*\*  
LHC2H681MV080\*\*\*  
LHC2H821MB100\*\*\*  
LHC2H821MV090\*\*\*  
LHC2H102MB100\*\*\*  
LHC2H102MV090\*\*\*