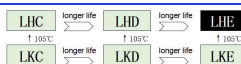


Snap-in capacitor

Liron®



LHE Series 105°C 12000 Hours

- Rohs requirements
- 105°C 12000 hours series.
- Used for switching power supply , 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/I(25°C, 120Hz)	LC ≤ 0.01CV(μA) or 1.5mA, whichever is smaller (25°C, 5min) C=Nominal capacitance(μF), V=Rated voltage(V)		
Dissipation factor DF/tanδ(25°C, 120Hz)	UR(V)	160 ~ 450	460 ~ 550
	DF	0.15	0.15
Temperature characteristics (Impedance ratio at 120Hz)	UR(V)	160 ~ 450	460 ~ 550
	Z(-25°C)/Z(+25°C)	4	10
	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		

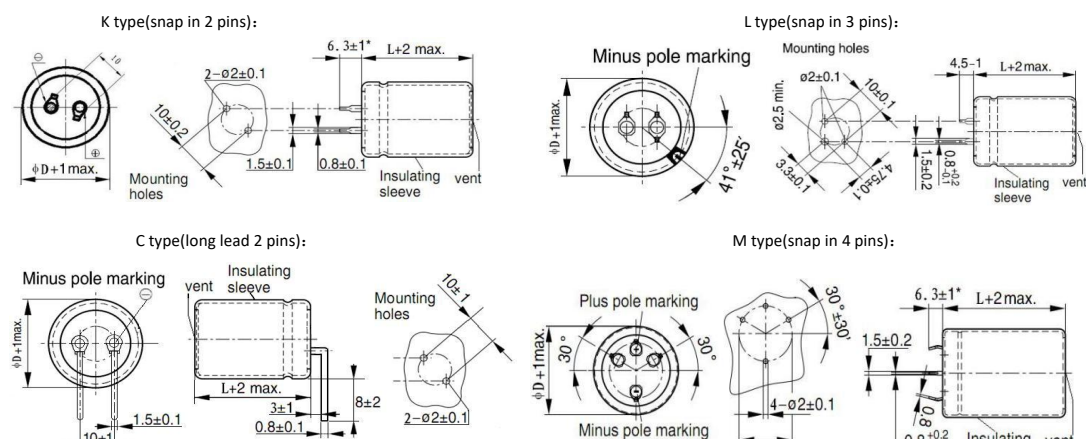
	Working lifetime		Standard lifetime	Durability	High temperature storage	
Load Time	15000h	>250000h	12000h	12000h	1000h	
Leakage current LC/I(25°C, 120Hz)	Within rated specification value		Within rated specification value	Within rated specification value	Within rated specification value	
Capacitance change	Within ±30% of the initial value of earth		Within ±20% of the initial value of earth	Within ±20% of the initial value of earth	Within ±20% of the initial value of earth	
Dissipation factor	Within 300% of the rated specification		Within 200% of the rated specification value	Within 200% of the rated specification value	Within 200% of the rated specification value	
Environmental condition:	UR		UR	UR	UR=0	Apply the rated operating voltage UR30 minutes and test after 24 hours of recovery.
Applied voltage	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	

Ripple current correction factor

Temp. °C	Temp. °C				Freq.	Freq.				
	40	55	85	105		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



10±1

11±1

12±1

22.5±0.1

0.8^{+0.2}_{-0.1}

Insulating vent sleeve

■LHE series:105°C 12000 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 Rippie Current 105°C, 120Hz	Size ΦD×L (mm)	CodeP/N	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 Rippie Current 105°C, 120Hz	Size ΦD×L (mm)	CodeP/N	
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-	(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-	
160 2C (200)	470	0.15	423	254	1.5	22 x 50	LHE 2C471MP050***	200 2D (250)	1500	0.15	133	80	3.3	30 x 75	LHE 2D152MR075***	
	560	0.15	355	213	1.7	22 x 50	LHE 2C561MP050***			0.15	133	80	3.3	30 x 80	LHE 2D152MR080***	
	680	0.15	293	176	1.9	25 x 50	LHE 2C681MQ050***			0.15	133	80	3.4	35 x 60	LHE 2D152MS060***	
		0.15	293	176	1.8	30 x 40	LHE 2C681MR040***			1800	0.15	111	66	3.7	30 x 90	LHE 2D182MR090***
	820	0.15	243	146	2.1	25 x 60	LHE 2C821MQ060***				0.15	111	66	3.8	35 x 70	LHE 2D182MS070***
	1000	0.15	243	146	2.1	30 x 50	LHE 2C821MR050***			0.15	111	66	3.8	35 x 75	LHE 2D182MS075***	
		0.15	199	119	2.4	25 x 70	LHE 2C102MQ070***		2200	0.15	90	54	4.3	35 x 80	LHE 2D222MS080***	
		0.15	199	119	2.4	30 x 60	LHE 2C102MR060***			0.15	90	54	4.3	35 x 85	LHE 2D222MS085***	
	1200	0.15	199	119	2.5	35 x 40	LHE 2C102MS040***		2700	0.15	74	44	4.9	35 x 90	LHE 2D272MS090***	
		0.15	166	100	2.8	30 x 50	LHE 2C122MR050***		250 2E (300)	270	0.15	737	442	1.1	22 x 50	LHE 2E271MP050***
		0.15	166	100	2.8	35 x 40	LHE 2C122MS040***			330	0.15	603	362	1.3	22 x 60	LHE 2E331MP060***
	0.15	166	100	2.8	35 x 45	LHE 2C122MS045***	390			0.15	510	306	1.4	25 x 45	LHE 2E391MQ045***	
	1500	0.15	133	80	3.1	30 x 60			LHE 2C152MR060***	0.15	510	306	1.4	30 x 30	LHE 2E391MR030***	
		0.15	133	80	3.1	35 x 45	LHE 2C152MS045***		470	0.15	423	254	1.6	25 x 50	LHE 2E471MQ050***	
	0.15	133	80	3.2	35 x 50	LHE 2C152MS050***	0.15			423	254	1.6	30 x 40	LHE 2E471MR040***		
	1800	0.15	111	66	3.6	30 x 70	LHE 2C182MR070***		560	0.15	355	213	1.8	25 x 60	LHE 2E561MQ060***	
		0.15	111	66	3.6	35 x 50	LHE 2C182MS050***			0.15	355	213	1.8	30 x 40	LHE 2E561MR040***	
		0.15	111	66	3.5	35 x 55	LHE 2C182MS055***			680	0.15	355	213	1.8	35 x 35	LHE 2E561MS035***
	2200	0.15	90	54	4.1	30 x 70	LHE 2C222MR070***		0.15		293	176	2.0	25 x 70	LHE 2E681MQ070***	
		0.15	90	54	4.1	30 x 75	LHE 2C222MR075***		0.15		293	176	2.1	30 x 50	LHE 2E681MR050***	
		0.15	90	54	4.0	35 x 50	LHE 2C222MS050***		0.15	293	176	2.2	35 x 40	LHE 2E681MS040***		
	2700	0.15	90	54	4.0	35 x 55	LHE 2C222MS055***		820	0.15	243	146	2.3	25 x 70	LHE 2E821MQ070***	
		0.15	74	44	4.6	35 x 60	LHE 2C272MS060***			0.15	243	146	2.4	30 x 50	LHE 2E821MR050***	
	0.15	74	44	4.8	35 x 65	LHE 2C272MS065***	0.15			243	146	2.5	35 x 55	LHE 2E821MS055***		
3300	0.15	60	36	5.4	35 x 70	LHE 2C332MS070***	1000	0.15	199	119	2.7	30 x 60	LHE 2E102MR060***			
200 2D (250)	390	0.15	510	306	1.3	25 x 50	LHE 2D391MQ050***	1200	0.15	166	100	3.0	30 x 60	LHE 2E122MR060***		
	470	0.15	423	254	1.5	25 x 50	LHE 2D471MQ050***		0.15	166	100	3.0	35 x 50	LHE 2E122MS050***		
	560	0.15	355	213	1.7	25 x 60	LHE 2D561MQ060***		0.15	166	100	3.2	35 x 55	LHE 2E122MS055***		
		0.15	355	213	1.6	30 x 50	LHE 2D561MR050***		1500	0.15	133	80	3.6	35 x 60	LHE 2E152MS060***	
	680	0.15	293	176	1.9	25 x 60	LHE 2D681MQ060***		1800	0.15	111	66	4.0	35 x 70	LHE 2E182MS070***	
		0.15	293	176	1.9	30 x 50	LHE 2D681MR050***		315 2F (365)	180	0.15	1106	663	1.0	25 x 40	LHE 2F181MQ040***
		0.15	293	176	1.9	30 x 60	LHE 2D681MR060***	220		0.15	905	543	1.1	25 x 40	LHE 2F221MQ040***	
	820	0.15	243	146	2.2	25 x 70	LHE 2D821MQ070***	0.15		737	442	1.2	25 x 50	LHE 2F271MQ050***		
		0.15	243	146	2.2	30 x 60	LHE 2D821MR060***	0.15		737	442	1.2	30 x 40	LHE 2F271MR040***		
	1000	0.15	199	119	2.5	30 x 60	LHE 2D102MR060***	330		0.15	603	362	1.4	25 x 60	LHE 2F331MQ060***	
		0.15	199	119	2.5	35 x 45	LHE 2D102MS045***	390		0.15	510	306	1.6	25 x 60	LHE 2F391MQ060***	
		0.15	199	119	2.7	35 x 50	LHE 2D102MS050***		0.15	510	306	1.6	30 x 50	LHE 2F391MR050***		
	0.15	199	119	2.7	35 x 55	LHE 2D102MS055***	0.15		510	306	1.6	35 x 35	LHE 2F391MS035***			
	1200	0.15	166	100	2.7	25 x 90	LHE 2D122MQ090***	470	0.15	423	254	1.8	25 x 70	LHE 2F471MQ070***		
		0.15	166	100	2.8	30 x 60	LHE 2D122MR060***		0.15	423	254	1.8	30 x 60	LHE 2F471MR060***		
		0.15	166	100	2.8	30 x 65	LHE 2D122MR065***		0.15	423	254	1.8	35 x 50	LHE 2F471MS050***		
		0.15	166	100	3.0	35 x 60	LHE 2D122MS060***		0.15	603	362	1.8	35 x 55	LHE 2F471MS055***		

■LHE series:105°C 12000 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	Size ΦD×L (mm)	CodeP/N	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	Size ΦD×L (mm)	CodeP/N	
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-	(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-	
315 2F (365)	560	0.15	355	213	2.0	30 x 50	LHE 2F561MR050***	400 2G (450)	150	0.15	1327	708	0.9	25 x 40	LHE 2G151MQ040***	
		0.15	355	213	1.9	30 x 60	LHE 2F561MR060***			0.15	1327	708	0.9	30 x 30	LHE 2G151MR030***	
		0.15	355	213	2.0	35 x 40	LHE 2F561MS040***		180	0.15	1106	590	1.0	25 x 40	LHE 2G181MQ040***	
	0.15	293	176	2.2	30 x 60	LHE 2F681MR060***	0.15			1106	590	1.0	30 x 40	LHE 2G181MR040***		
	680	0.15	293	176	2.3	30 x 65	LHE 2F681MR065***		220	0.15	905	483	1.1	25 x 50	LHE 2G221MQ050***	
		0.15	293	176	2.2	35 x 50	LHE 2F681MS050***			0.15	905	483	1.1	30 x 40	LHE 2G221MR040***	
		0.15	243	146	2.5	30 x 70	LHE 2F821MR070***			0.15	905	483	1.2	35 x 35	LHE 2G221MS035***	
	820	0.15	243	146	2.6	35 x 60	LHE 2F821MS060***		270	0.15	737	393	1.3	25 x 60	LHE 2G271MQ060***	
		0.15	199	119	2.9	35 x 60	LHE 2F102MS060***			0.15	737	393	1.3	30 x 50	LHE 2G271MR050***	
	1200	0.15	166	100	3.3	35 x 70	LHE 2F122MS070***			0.15	737	393	1.3	35 x 40	LHE 2G271MS040***	
	350 2V (400)	120	0.15	1659	995	0.7	25 x 50		LHE 2V121MQ050***	330	0.15	603	322	1.5	25 x 70	LHE 2G331MQ070***
			0.15	1327	796	0.8	25 x 50		LHE 2V151MQ050***		0.15	603	322	1.4	30 x 50	LHE 2G331MR050***
180		0.15	1106	663	0.9	25 x 60	LHE 2V181MQ060***	0.15	603		322	1.5	35 x 35	LHE 2G331MS035***		
		0.15	1106	663	0.9	25 x 60	LHE 2V181MQ060***	390	0.15	510	272	1.6	25 x 70	LHE 2G391MQ070***		
220		0.15	905	543	1.0	25 x 60	LHE 2V221MQ060***		0.15	510	357	1.6	30 x 50	LHE 2G391MR050***		
		0.15	905	543	1.0	30 x 50	LHE 2V221MR050***		0.15	510	272	1.7	35 x 40	LHE 2G391MS040***		
270		0.15	905	543	1.0	35 x 35	LHE 2V221MS035***	470	0.15	423	226	1.8	30 x 60	LHE 2G471MR060***		
			0.15	737	442	1.3	25 x 70		LHE 2V271MQ070***	0.15	423	226	1.9	35 x 40	LHE 2G471MS040***	
		0.15	737	442	1.3	30 x 60	LHE 2V271MR060***	560	0.15	355	190	2.1	30 x 70	LHE 2G561MR070***		
			0.15	737	442	1.3	30 x 65		LHE 2V271MR065***	0.15	355	190	2.1	35 x 60	LHE 2G561MS060***	
0.15		737	442	1.3	35 x 40	LHE 2V271MS040***	680	0.15	293	156	2.4	35 x 65	LHE 2G681MS065***			
		0.15	603	362	1.4	25 x 70		LHE 2V331MQ070***	820	0.15	243	170	2.7	35 x 70	LHE 2G821MS070***	
330	0.15	603	362	1.4	30 x 60	LHE 2V331MR060***	1000	0.15	199	106	3.2	35 x 80	LHE 2G102MS080***			
	0.15	603	362	1.4	35 x 40	LHE 2V331MS040***	1200	0.15	166	88	3.7	35 x 90	LHE 2G122MS090***			
	0.15	510	306	1.6	30 x 60	LHE 2V391MR060***	420 2I (470)	100	0.15	1990	1128	0.7	30 x 40	LHE 2I101MR040***		
390	0.15	510	306	1.6	30 x 70	LHE 2V391MR070***		120	0.15	1659	940	0.8	30 x 40	LHE 2I121MR040***		
	0.15	510	306	1.6	35 x 45	LHE 2V391MS045***			0.15	1659	940	0.8	35 x 35	LHE 2I121MS035***		
470	0.15	423	254	1.8	30 x 70	LHE 2V471MR070***		150	0.15	1327	752	0.9	30 x 50	LHE 2I151MR050***		
	0.15	423	254	1.8	35 x 45	LHE 2V471MS045***			180	0.15	1106	627	1.0	25 x 70	LHE 2I181MQ070***	
	0.15	423	254	1.8	35 x 50	LHE 2V471MS050***				0.15	1106	627	1.0	30 x 50	LHE 2I181MR050***	
560	0.15	355	213	2.0	35 x 50	LHE 2V561MS050***		220	0.15	1106	627	1.1	35 x 40	LHE 2I181MS040***		
	0.15	355	213	2.0	35 x 60	LHE 2V561MS060***			0.15	905	513	1.2	25 x 80	LHE 2I221MQ080***		
680	0.15	293	176	2.4	35 x 60	LHE 2V681MS060***			0.15	905	513	1.2	25 x 90	LHE 2I221MQ090***		
	0.15	293	176	2.4	35 x 65	LHE 2V681MS065***			0.15	905	513	1.2	30 x 50	LHE 2I221MR050***		
820	0.15	243	146	2.6	35 x 70	LHE 2V821MS070***		270	0.15	905	513	1.2	35 x 50	LHE 2I221MS050***		
	0.15	243	146	2.6	35 x 75	LHE 2V821MS075***			0.15	737	418	1.3	30 x 55	LHE 2I271MR055***		
1000	0.15	199	119	2.8	35 x 70	LHE 2V102MS070***	0.15		737	418	1.3	30 x 60	LHE 2I271MR060***			
	0.15	199	119	2.8	40 x 60	LHE 2V102MB060***	0.15	737	418	1.4	35 x 50	LHE 2I271MS050***				
1200	0.15	141	91	3.0	35 x 70	LHE 2V122MS070***	330	0.15	603	342	1.5	30 x 60	LHE 2I331MR060***			
	0.15	141	91	3.0	40 x 60	LHE 2V122MB060***		0.15	603	342	1.5	30 x 65	LHE 2I331MR065***			
								0.15	603	342	1.6	35 x 50	LHE 2I331MS050***			

■LHE series:105°C 12000 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	Size ΦD×L (mm)	CodeP/N	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	Size ΦD×L (mm)	CodeP/N
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-	(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-
420 2I (470)	390	0.15	510	289	1.7	30 x 60	LHE 2I391MR060***	500 2H (550)	100	0.15	2654	1062	0.8	30 x 40	LHE 2H101MR040***
		0.15	510	289	1.7	35 x 50	LHE 2I391MS050***		120	0.15	2212	885	0.9	30 x 40	LHE 2H121MR040***
		0.15	510	289	1.7	35 x 55	LHE 2I391MS055***			0.15	2212	885	0.9	35 x 35	LHE 2H121MS035***
	470	0.15	423	240	1.9	30 x 70	LHE 2I471MR070***		150	0.15	2212	708	1.0	30 x 50	LHE 2H151MR050***
		0.15	423	240	2.0	35 x 50	LHE 2I471MS050***		180	0.15	1474	590	1.2	30 x 60	LHE 2H181MR060***
	560	0.15	355	201	2.2	35 x 60	LHE 2I561MS060***		220	0.15	1206	483	1	25 x 80	LHE 2H221MQ080***
	680	0.15	293	166	2.5	35 x 60	LHE 2I681MS060***			0.15	1206	483	1.3	30 x 60	LHE 2H221MR060***
	820	0.15	243	138	3.0	35 x 70	LHE 2I821MS070***		270	0.15	1206	483	1.2	35 x 50	LHE 2H221MS050***
	1000	0.15	199	113	3.4	35 x 80	LHE 2I102MS080***			0.15	983	393	1.5	30 x 70	LHE 2H271MR070***
	1200	0.15	166	94	3.8	35 x 90	LHE 2I122MS090***		0.15	983	393	1.5	35 x 60	LHE 2H271MS060***	
450 2W (500)	120	0.15	2212	885	0.8	22 x 60	LHE 2W121MP060***	330	0.15	804	322	1.6	35 x 60	LHE 2H331MS060***	
		0.15	2212	885	0.8	25 x 50	LHE 2W121MQ050***	390	0.15	680	272	1.8	35 x 70	LHE 2H391MS070***	
		0.15	2212	885	0.8	30 x 30	LHE 2W121MR030***		0.15	565	226	2.0	35 x 70	LHE 2H471MS070***	
	150	0.15	1769	708	0.9	22 x 70	LHE 2W151MP070***	470	0.15	565	226	2.0	35 x 80	LHE 2H471MS080***	
		0.15	1769	708	0.9	25 x 60	LHE 2W151MQ060***		560	0.15	474	190	2.2	35 x 80	LHE 2H561MS080***
	180	0.15	1474	590	1.1	22 x 80	LHE 2W181MP080***	0.15		474	190	2.2	40 x 60	LHE 2H561MB060***	
		0.15	1474	590	1.1	25 x 60	LHE 2W181MQ060***	680	0.15	390	156	2.4	35 x 80	LHE 2H681MS080***	
		0.15	1474	590	1.1	30 x 50	LHE 2W181MR050***		0.15	390	156	2.4	40 x 70	LHE 2H681MB070***	
	220	0.15	1206	483	1.2	22 x 80	LHE 2W221MP080***	820	0.15	324	129	2.6	35 x 100	LHE 2H821MS100***	
		0.15	1206	483	1.2	25 x 70	LHE 2W221MQ070***		0.15	324	129	2.6	40 x 80	LHE 2H821MB080***	
		0.15	1206	483	1.2	30 x 50	LHE 2W221MR050***	1000	0.15	265	106	2.8	40 x 100	LHE 2H102MB100***	
	270	0.15	983	393	1.3	25 x 70	LHE 2W271MQ070***		0.15	265	106	2.8	45 x 80	LHE 2H102MV080***	
		0.15	983	393	1.3	30 x 50	LHE 2W271MR050***	1200	0.15	128	88	3.2	45 x 90	LHE 2H122MV090***	
		0.15	983	393	1.4	35 x 40	LHE 2W271MS040***		1500	0.15	128	68	3.6	45 x 110	LHE 2H152MV110***
	330	0.15	804	322	1.5	30 x 60	LHE 2W331MR060***	550 2Y (600)	180	0.15	2108	881	0.8	35 x 40	LHE 2Y181MS040***
	390	0.15	680	272	1.7	30 x 70	LHE 2W391MR070***		220	0.15	1750	698	1.1	35 x 50	LHE 2Y221MS050***
		0.15	680	272	1.7	35 x 60	LHE 2W391MS060***		270	0.15	1229	590	1.3	35 x 60	LHE 2Y271MS060***
		0.15	680	272	1.7	35 x 65	LHE 2W391MS065***		330	0.15	1005	483	1.4	35 x 70	LHE 2Y331MS070***
	470	0.15	565	226	2.0	35 x 60	LHE 2W471MS060***		390	0.15	851	408	1.6	35 x 70	LHE 2Y391MS070***
		0.15	565	226	2.0	35 x 70	LHE 2W471MS070***		470	0.15	706	339	1.8	35 x 80	LHE 2Y471MS080***
		0.15	565	226	2.0	35 x 75	LHE 2W471MS075***			0.15	706	339	1.8	40 x 70	LHE 2Y471MB070***
	560	0.15	474	190	2.2	35 x 80	LHE 2W561MS080***		560	0.15	592	284	2.0	35 x 100	LHE 2Y561MS100***
	680	0.15	390	156	2.6	35 x 80	LHE 2W681MS080***			0.15	592	284	2.0	40 x 80	LHE 2Y561MB080***
		0.15	390	156	2.6	35 x 90	LHE 2W681MS090***		680	0.15	488	234	2.3	40 x 90	LHE 2Y681MB090***
	820	0.15	324	129	3.0	35 x 90	LHE 2W821MS090***			0.15	488	234	2.3	45 x 80	LHE 2Y681MV080***
	1000	0.15	265	106	3.4	35 x 90	LHE 2W102MS090***		820	0.15	320	189	2.6	40 x 100	LHE 2Y821MB100***
		0.15	265	106	3.4	40 x 80	LHE 2W102MB080***			0.15	320	189	2.6	45 x 90	LHE 2Y821MV090***
	1200	0.15	221	88	3.7	35 x 110	LHE 2W122MS110***		1000	0.15	280	161	2.9	40 x 110	LHE 2Y102MB110***
		0.15	221	88	3.7	40 x 90	LHE 2W122MB090***			0.15	280	161	2.9	45 x 100	LHE 2Y102MV100***

**** 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.