



FEATURES

High Current - High Voltage - Good Pulse Current Rating

APPLICATIONS

Resonant Circuits - Switching Power Supplies -
Motor Speed Controls - Induction Heaters

Operating Temperature Range	-40°C to +100°C							
Capacitance Tolerance	±10% at 1 kHz, 25°C +5% optional							
Non-Recurrent SVDC	WVDC	250	330	400	600	700	850	
	SVDC	400	500	600	800	1000	1200	
AC voltage (50/60 Hz)	WVDC	250	330	400	600	700	850	
	VAC	160	220	275	350	400	500	
For T>+85°C , The voltage (DC/AC)must be decreased by (1.5/2.5)% per °C								
Dissipation Factor (MAX) 25°C	Frequency (kHz)	C≤5uF		5<C≤25uF		C>25uF		
	1	0.05%		0.08%		0.1%		
Insulation Resistance @25°C (<70% RH)for 1 minute at 100VDC applied	Insulation Resistance							
	30000 MΩxuF (not to exceed 30GΩ)							
Self Inductance	<1 nano-Henry per mm of lead spacing							
Capacitance Drift Factor	<0.5% after 2 years at 40°C							
Life Expectancy	100000 Hours @WVDC 30000 Hours @ VAC							
	Capacitance Change			≤3% of initially measured value				
Failure quota	300/ Billion component hours							
Damp Heat test	56 days at40°C with 90 to 95%RH, +40°C and no voltage applied							
	Capacitance Change			≤2% of initially measured value				
	Dissipation Factor			≤0.001 at 1kHz and 25°C				
	Insulation Resistance			≥50% of maximum specified value				
Self Inductance	<1 nano-Henry per mm of lead spacing							
Capacitance Drift Factor	<0.5% after 2 years at 40°C							
Capacitance Temperature Coefficient	-200 ppm/°C, ±100ppm/°C							
Dielectric Strength	Terminal to Terminal					Terminal to case		
	160% of rated VDCApplied for 10 seconds or 150% VAC applied for 2 Seconds and 25°C					3kVAC @ 50/60 Hz applied between terminals and case for 60 seconds at 25°C		
Dielectric	Polypropylene							
Construction	Metallized film							
Coating	Flame Retardant plastic box with epoxy resin (UL94V-0)							
Leads	Lead free tinned copper leads							

Americas / EU

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Asia

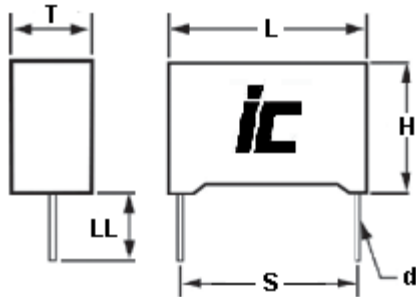
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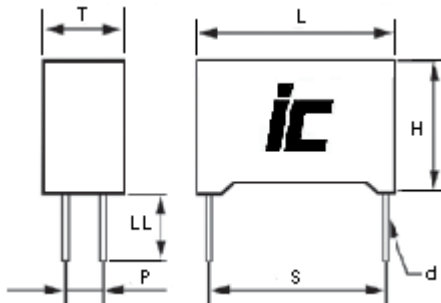
Sep-20

Metallized Polypropylene Film Capacitors

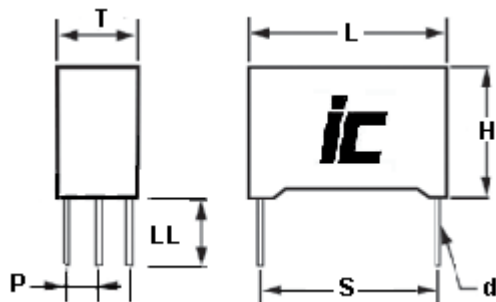
for Switching Circuits 2, 4 or 6 Leaded



L	26.5	32	32	32	42.5	57.5
H	ALL	≤20	20<H≤24.5	>24.5	ALL	ALL
T	ALL	ALL	≤18	ALL	ALL	ALL
S	22.5	27.5	27.5	27.5	37.5	52.5
d	0.8	0.8	1.0	1.2	1.2	1.2



L	32	42.5	57.5
S	27.5	37.5	52.5
d	1.2	1.2	1.2



L	42.5	57.5
S	37.5	52.5
d	1.2	1.2

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Sep-20

PHB

Metallized Polypropylene,
High Frequency radial lead
box

WVDC	Capacitance (μF)	IC PART NUMBER	dv/dt (V/μ sec.)	Maximum RMS Ripple Current (A) 100 kHz, +70°C	Typical ESR (mΩ) 100 kHz, +25°C	Dims LxHxT (mm)	S (MM)	d (MM)	P (MM)	# Leads
250	1	105PHB250K2G	50	4.5	7.6	26.5x16x7	22.5	0.8		2
250	1.5	155PHB250K2G	50	6.5	6.1	26.5x17x8.5	22.5	0.8		2
250	1.5	155PHB250K2H	40	6.5	7.1	32x20x11	27.5	0.8		2
250	2	205PHB250K2G	50	7.5	5.3	26.5x20x11	22.5	0.8		2
250	2	205PHB250K2H	40	7	6.1	32x20x11	27.5	0.8		2
250	2.2	225PHB250K2G	50	7.5	5.1	26.5x20x11	22.5	0.8		2
250	2.2	225PHB250K2H	40	7	5.8	32x20x11	27.5	0.8		2
250	2.5	255PHB250K2H	40	8	5.4	32x20x11	27.5	0.8		2
250	3	305PHB250K2H	40	9	4.8	32x22x13	27.5	1		2
250	3.3	335PHB250K2H	40	9.5	4.3	32x22x13	27.5	1		2
250	4	405PHB250K2H	40	10.5	3.8	32x22x13	27.5	1		2
250	4.7	475PHB250K2H	40	12	3.5	32x28x14	27.5	1.2		2
250	4.7	475PHB250K4H	40	15	2.8	32x28x14	27.5	1.2	5.1	4
250	5	505PHB250K4H	40	15	2.7	32x28x14	27.4	1.2	5.1	4
250	5	505PHB250K2H	40	12	3.4	32x28x14	27.5	1.2		2
250	6.8	685PHB250K2H	40	14	3.1	32x33x18	27.5	1.2		2
250	6.8	685PHB250K4H	40	18	2.4	32x33x18	27.5	1.2	5.1	4
250	10	106PHB250K4H	40	20.5	1.9	32x33x18	27.5	1.2	10.2	4
250	10	106PHB250K2H	40	20.5	2.6	32x33x18	27.5	1.2		2
250	10	106PHB250K2J	25	14	3.6	42.5x28x17	37.5	1.2		2
250	15	156PHB250K2J	25	14	3.1	42.5x30x22	37.5	1.2		2
250	20	206PHB250K4J	25	24	2.1	42.5x37x28	37.5	1.2	10.2	4
250	20	206PHB250K2J	25	14	2.8	42.5x37x28	37.5	1.2		2
250	22	226PHB250K2J	25	14	2.8	42.5x37x28	37.5	1.2		2
250	22	226PHB250K4J	25	25	2.1	42.5x37x28	37.5	1.2	10.2	4
250	25	256PHB250K4J	25	26.5	1.9	42.5x37x28	37.5	1.2	20.3	4
250	25	256PHB250K2J	25	14	2.6	42.5x37x28	37.5	1.2		2
250	30	306PHB250K2J	25	14	2.6	42.5x45x30	37.5	1.2		2
250	30	306PHB250K4J	25	26.5	1.9	42.5x45x30	37.5	1.2	20.3	4
250	33	336PHB250K2J	25	14	2.4	42.5x45x30	37.5	1.2		2
250	33	336PHB250K4J	25	27	1.7	42.5x45x30	37.5	1.2	20.3	4
250	40	406PHB250K4R	15	26	2.6	57.5x45x30	52.5	1.2	20.3	4
250	40	406PHB250K2R	15	14	3.3	57.5x45x30	52.5	1.2		2
250	50	506PHB250K2R	15	14	3	57.5x50x35	52.5	1.2		2
250	50	506PHB250K4R	15	26.5	2.3	57.5x50x35	52.5	1.2	20.3	4
250	60	606PHB250K4R	15	27	2	57.5x50x35	52.5	1.2	20.3	4
250	60	606PHB250K2R	15	14	2.7	57.5x50x35	52.5	1.2		2
330	0.68	684PHB330K2G	60	5	8.9	26.5x16x7	22.5	0.8		2
330	1	105PHB330K2G	60	6.5	7	26.5x18.5x10	22.5	0.8		2
330	1.5	155PHB330K2H	45	7.5	6.1	32x20x11	27.5	0.8		2
330	2	205PHB330K2H	45	8.5	5.3	32x22x13	27.5	1		2
330	2.2	225PHB330K2H	45	9	5.1	32x22x13	27.5	1		2
330	2.5	255PHB330K2H	45	9.5	4.9	32x22x13	27.5	1		2
330	3	305PHB330K2H	45	10.5	4.3	32x24.5x15	27.5	1		2
330	3.3	335PHB330K2H	45	10.5	4.1	32x24.5x15	27.5	1		2
330	4.7	475PHB330K2H	45	14	3.4	32x33x18	27.5	1.2		2
330	4.7	475PHB330K4H	45	17	2.7	32x33x18	27.5	1.2	5.1	4
330	5	505PHB330K4H	45	17.5	2.6	32x33x18	27.5	1.2	5.1	4
330	5	505PHB330K2H	45	14	3.3	32x33x18	27.5	1.2		2
330	6.8	685PHB330K2H	45	14	2.8	32x37x22	27.5	1.2		2
330	6.8	685PHB330K4H	45	22	2.1	32x37x22	27.5	1.2	10.2	4
330	6.8	685PHB330K2J	30	14	3.7	42.5x28x17	37.5	1.2		2
330	15	156PHB330K2J	30	14	2.7	42.5x37x28	37.5	1.2		2
330	15	156PHB330K4J	30	26	2	42.5x37x28	37.5	1.2	10.2	4
330	20	206PHB330K2J	30	14	2.5	42.5x45x30	37.5	1.2		2
330	20	206PHB330K4J	30	27	1.8	42.5x45x30	37.5	1.2	20.3	4
330	25	256PHB330K4R	17	23	2.9	57.5x45x30	52.5	1.2	20.3	4
330	25	256PHB330K2R	17	14	3.6	57.5x45x30	52.5	1.2		2

PHB

Metallized Polypropylene,
High Frequency radial lead
box

WVDC	Capacitance (μF)	IC PART NUMBER	dv/dt (v/μ sec.)	Maximum RMS Ripple Current (A) 100 kHz, +70°C	Typical ESR (mΩ) 100 kHz, +25°C	Dims LxHxT (mm)	S (MM)	d (MM)	P (MM)	# Leads
330	30	306PHB330K2R	17	14	3.4	57.5x45x30	52.5	1.2		2
330	30	306PHB330K4R	17	24.5	2.7	57.5x45x30	52.5	1.2	20.3	4
330	33	336PHB330K4R	17	26	2.6	57.5x50x35	52.5	1.2	20.3	4
330	33	336PHB330K2R	17	14	3.3	57.5x50x35	52.5	1.2		2
330	35	356PHB330K4R	17	22	2.6	57.5x50x35	52.5	1.2	20.3	4
330	35	356PHB330K2R	17	12	3.2	57.5x50x35	52.5	1.2		2
330	40	406PHB330K4R	17	27	2.4	57.5x50x35	52.5	1.2	20.3	4
330	40	406PHB330K2R	17	14	3.1	57.5x50x35	52.5	1.2		2
400	0.47	474PHB400K2G	75	4.5	8.6	26.5x16x7	22.5	0.8		2
400	0.68	684PHB400K2G	75	6.5	7.1	26.5x18.5x10	22.5	0.8		2
400	0.68	684PHB400K2H	55	6.5	8.8	32x20x11	27.5	0.8		2
400	1	105PHB400K2G	75	7.5	5.8	26.5x20x11	22.5	0.8		2
400	1	105PHB400K2H	55	7	6.7	32x20x11	27.5	0.8		2
400	1.5	155PHB400K2H	55	9	5.3	32x22x13	27.5	1		2
400	2	205PHB400K2H	55	10	4.7	32x24.5x15	27.5	1.2		2
400	2.2	225PHB400K2H	55	10.5	4.4	32x24.5x15	27.5	1.2		2
400	2.5	255PHB400K2H	55	11	4.2	32x24.5x15	27.5	1.2		2
400	3	305PHB400K2H	55	14	3.6	32x33x18	27.5	1.2		2
400	3	305PHB400K4H	55	17	2.9	32x33x18	27.5	1.2	5.1	4
400	3.3	335PHB400K4H	55	17.5	2.8	32x33x18	27.5	1.2	5.1	4
400	3.3	335PHB400K2H	55	14	3.5	32x33x18	27.5	1.2		2
400	4	405PHB400K2H	55	14	3.2	32x33x18	27.5	1.2		2
400	4	405PHB400K4H	55	18.5	2.5	32x33x18	27.5	1.2	10.2	4
400	4.7	475PHB400K2H	55	14	2.8	32x37x22	27.5	1.2		2
400	4.7	475PHB400K4H	55	21.5	2.1	32x37x22	27.5	1.2	10.2	4
400	4.7	475PHB400K2J	40	13.5	3.9	42.5x28x17	37.5	1.2		2
400	5	505PHB400K2H	55	14	2.8	32x37x22	27.5	1.2		2
400	5	505PHB400K4H	55	22	2.1	32x37x22	27.5	1.2	10.2	4
400	5	505PHB400K2J	40	14	3.7	42.5x30x22	37.5	1.2		2
400	6.8	685PHB400K2J	40	14	3.3	42.5x30x22	37.5	1.2		2
400	6.8	685PHB400K4J	40	19.5	2.6	42.5x37x28	37.5	1.2	10.2	4
400	10	106PHB400K4J	40	24.5	2.1	42.5x37x28	37.5	1.2	20.3	4
400	10	106PHB400K2J	40	14	2.8	42.5x37x28	37.5	1.2		2
400	15	156PHB400K2J	40	14	2.4	42.5x45x30	37.5	1.2		2
400	15	156PHB400K4J	40	27	1.7	42.5x45x30	37.5	1.2	20.3	4
400	20	206PHB400K4R	20	24.5	3	57.5x45x30	52.5	1.2	20.3	4
400	20	206PHB400K2R	20	14	3.7	57.5x45x30	52.5	1.2		2
400	22	226PHB400K2R	20	14	3.6	57.5x50x35	52.5	1.2		2
400	22	226PHB400K4R	20	25.5	2.9	57.5x50x35	52.5	1.2	20.3	4
400	25	256PHB400K4R	20	26	2.8	57.5x50x35	52.5	1.2	20.3	4
400	25	256PHB400K2R	20	14	3.4	57.5x50x35	52.5	1.2		2
600	0.22	224PHB600K2G	95	3.5	13	26.5x16x7	22.5	0.8		2
600	0.33	334PHB600K2G	95	5	9.5	26.5x17x8.5	22.5	0.8		2
600	0.47	474PHB600K2G	95	6	8.3	26.5x18.5x10	22.5	0.8		2
600	0.47	474PHB600K2H	75	6	10	32x20x11	27.5	0.8		2
600	0.68	684PHB600K2G	95	7	6.9	26.5x22x13	22.5	0.8		2
600	0.68	684PHB600K2H	75	7	7.6	32x20x11	27.5	0.8		2
600	1	105PHB600K2H	75	8.5	6.1	32x22x13	27.5	1		2
600	1.5	155PHB600K2H	75	11.5	4.6	32x28x14	27.5	1.2		2
600	2	205PHB600K2H	75	14	3.9	32x33x18	27.5	1.2		2
600	2	205PHB600K4H	75	16	3.2	32x33x18	27.5	1.2	10.2	4
600	2.2	225PHB600K2H	75	14	3.9	32x33x18	27.5	1.2		2
600	2.2	225PHB600K4H	75	16.5	3.2	32x33x18	27.5	1.2	10.2	4
600	3	305PHB600K4H	75	21	2.6	32x37x22	27.5	1.2	10.2	4
600	3	305PHB600K2H	75	14	3.3	32x37x22	27.5	1.2		2
600	3	305PHB600K2J	55	14	4.3	42.5x30x22	37.5	1.2		2
600	3.3	335PHB600K2H	75	14	3.2	32x37x22	27.5	1.2		2
600	3.3	335PHB600K4H	75	21.5	2.5	32x37x22	27.5	1.2	10.2	4

PHB

Metallized Polypropylene,
High Frequency radial lead
box

WVDC	Capacitance (μF)	IC PART NUMBER	dv/dt (v/μ sec.)	Maximum RMS Ripple Current (A) 100 kHz, +70°C	Typical ESR (mΩ) 100 kHz, +25°C	Dims LxHxT (mm)	S (MM)	d (MM)	P (MM)	# Leads
600	3.3	335PHB600K2J	55	14	4.1	42.5x30x22	37.5	1.2		2
600	4	405PHB600K2J	55	14	3.6	42.5x37x28	37.5	1.2		2
600	4	405PHB600K4J	55	17.5	2.9	42.5x37x28	37.5	1.2	10.2	4
600	4.7	475PHB600K4J	55	22	2.6	42.5x37x28	37.5	1.2	10.2	4
600	4.7	475PHB600K2J	55	14	3.3	42.5x37x28	37.5	1.2		2
600	5	505PHB600K2J	55	14	3.3	42.5x37x28	37.5	1.2		2
600	5	505PHB600K4J	55	22.5	2.6	42.5x37x28	37.5	1.2	10.2	4
600	6.8	685PHB600K4J	55	25.5	2.1	42.5x45x30	37.5	1.2	20.3	4
600	6.8	685PHB600K2J	55	14	2.8	42.5x45x30	37.5	1.2		2
600	9	905PHB600K2J	55	14	2.6	42.5x45x30	37.5	1.2		2
600	9	905PHB600K4J	55	27	1.9	42.5x45x30	37.5	1.2	20.3	4
600	10	106PHB600K4R	30	22	3.8	57.5x45x30	52.5	1.2	20.3	4
600	10	106PHB600K2R	30	14	4.5	57.5x45x30	52.5	1.2		2
600	15	156PHB600K2R	30	14	3.7	57.5x50x35	52.5	1.2		2
600	15	156PHB600K4R	30	25	3	57.5x50x35	52.5	1.2	20.3	4
700	0.15	154PHB700K2G	135	4	13	26.5x16x7	22.5	0.8		2
700	0.22	224PHB700K2G	135	4.5	11	26.5x17x8.5	22.5	0.8		2
700	0.33	334PHB700K2G	135	6	8.5	26.5x20x11	22.5	0.8		2
700	0.33	334PHB700K2H	105	6	11	32x20x11	27.5	0.8		2
700	0.47	474PHB700K2H	105	7.5	7.5	32x22x13	27.5	1		2
700	0.68	684PHB700K2H	105	9	6.1	32x24.5x15	27.5	1		2
700	1	105PHB700K2H	105	13	4.6	32x33x18	27.5	1.2		2
700	1	105PHB700K4H	105	15.5	3.9	32x33x18	27.5	1.2	10.2	4
700	1.5	155PHB700K4H	105	18	3.3	32x37x22	27.5	1.2	10.2	4
700	1.5	155PHB700K2H	105	14	4	32x37x22	37.5	1.2		2
700	1.5	155PHB700K2J	70	12	5.6	42.5x28x17	37.5	1.2		2
700	2	205PHB700K2H	105	14	3.5	32x37x22	27.5	1.2		2
700	2	205PHB700K4H	105	20	2.8	32x37x22	27.5	1.2	10.2	4
700	2	205PHB700K2J	70	13	4.9	42.5x30x22	37.5	1.2		2
700	2.2	225PHB700K2J	70	12	4.7	42.5x30x22	37.5	1.2		2
700	2.2	225PHB700K4J	70	15.5	4	42.5x37x28	37.5	1.2	10.2	2
700	3	305PHB700K2J	70	14	3.9	42.5x37x28	37.5	1.2		2
700	3	305PHB700K4J	70	20	3.2	42.5x37x28	37.5	1.2	10.2	4
700	3.3	335PHB700K4J	70	21.5	3.1	42.5x37x28	37.5	1.2	20.3	4
700	3.3	335PHB700K2J	70	14	3.8	42.5x37x28	37.5	1.2		2
700	4	405PHB700K2J	70	14	3.3	42.5x45x30	37.5	1.2		2
700	4	405PHB700K4J	70	22.5	2.7	42.5x45x30	37.5	1.2	20.3	4
700	4.7	475PHB700K4J	70	25	2.4	42.5x45x30	37.5	1.2	20.3	4
700	4.7	475PHB700K2J	70	14	3.1	42.5x45x30	37.5	1.2		2
700	5	505PHB700K2J	70	14	3	42.5x45x30	37.5	1.2		2
700	5	505PHB700K4J	70	25.5	2.3	42.5x45x30	37.5	1.2	20.3	4
700	6	605PHB700K4R	40	20	4.3	57.5x45x30	52.5	1.2	20.3	4
700	6	605PHB700K2R	40	14	5	57.5x45x30	52.5	1.2		2
700	6.8	685PHB700K2R	40	14	4.7	57.5x45x30	52.5	1.2		2
700	6.8	685PHB700K4R	40	21.5	4	57.5x45x30	52.5	1.2	20.3	4
700	8	805PHB700K4R	40	23.5	3.7	57.5x50x35	52.5	1.2	20.3	4
700	8	805PHB700K2R	40	14	4.4	57.5x50x35	52.5	1.2		2
700	9	905PHB700K2R	40	14	4.1	57.5x50x35	52.5	1.2		2
700	9	905PHB700K4R	40	25	3.4	57.5x50x35	52.5	1.2	20.3	4
850	0.1	104PHB850K2G	375	4	13	26.5x16x7	22.5	0.8		2
850	0.1	104PHB850K2H	300	4	15	32x17x9	27.5	0.8		2
850	0.15	154PHB850K2G	375	5	9.7	26.5x18.5x10	22.5	0.8		2
850	0.15	154PHB850K2H	300	5.5	11	32x20x11	27.5	0.8		2
850	0.22	224PHB850K2G	375	7	7.6	26.5x22x13	22.5	0.8		2
850	0.22	224PHB850K2H	300	6.5	8.3	32x20x11	27.5	0.8		2
850	0.33	334PHB850K2H	300	8	6.3	32x22x13	27.5	1		2
850	0.47	474PHB850K2H	300	9.5	5.1	32x24.5x15	27.5	1.2		2
850	0.68	684PHB850K2H	300	14	3.8	32x33x18	27.5	1.2		2

PHB

Metallized Polypropylene,
High Frequency radial lead
box

WVDC	Capacitance (μF)	IC PART NUMBER	dv/dt (v/μ sec.)	Maximum RMS Ripple Current (A) 100 kHz, +70°C	Typical ESR (mΩ) 100 kHz, +25°C	Dims LxHxT (mm)	S (MM)	d (MM)	P (MM)	# Leads
850	0.68	684PHB850K4H	300	16	3.1	32x33x18	27.5	1.2	5.1	4
850	1	105PHB850K4H	300	20.5	2.4	32x37x22	27.5	1.2	10.2	4
850	1	105PHB850K2H	300	14	3.1	32x37x22	27.5	1.2		2
850	1	105PHB850K2J	200	13	4.2	42.5x28x17	37.5	1.2		2
850	1.5	155PHB850K2J	200	14	3.4	42.5x30x22	37.5	1.2		2
850	2	205PHB850K2J	200	14	3	42.5x37x28	37.5	1.2		2
850	2	205PHB850K4J	200	23	2.3	42.5x37x28	37.5	1.2	10.2	4
850	2.2	225PHB850K4J	200	24.5	2.3	42.5x37x28	37.5	1.2	10.2	4
850	2.2	225PHB850K2J	200	14	3	42.5x37x28	37.5	1.2		2
850	2.5	255PHB850K2J	200	14	2.8	42.5x37x28	37.5	1.2		2
850	2.5	255PHB850K4J	200	24	2.1	42.5x37x28	37.5	1.2	20.3	4
850	3	305PHB850K4J	200	27	1.8	42.5x45x30	37.5	1.2	20.3	4
850	3	305PHB850K2J	200	14	2.4	42.5x45x30	37.5	1.2		2
850	3.3	335PHB850K2J	200	14	2.4	42.5x45x30	37.5	1.2		2
850	3.3	335PHB850K4J	200	27	1.8	42.5x45x30	37.5	1.2	20.3	4
850	4	405PHB850K4R	110	25	2.5	57.5x45x30	52.5	1.2	20.3	4
850	4	405PHB850K2R	110	14	3.2	57.5x45x30	52.5	1.2		2
850	4.7	475PHB850K2R	110	14	2.8	57.5x45x30	52.5	1.2		2
850	4.7	475PHB850K4R	110	27	2.1	57.5x45x30	52.5	1.2	20.3	4
850	5.6	565PHB850K4R	110	27	2	57.5x50x35	52.5	1.2	20.3	4
850	5.6	565PHB850K2R	110	14	2.7	57.5x50x35	52.5	1.2		2
850	6	605PHB850K2R	110	14	2.6	57.5x50x35	52.5	1.2		2
850	6	605PHB850K4R	110	27	2	57.5x50x35	52.5	1.2	20.3	4