



**THE DATASHEET OF
156PMC400KSP0**





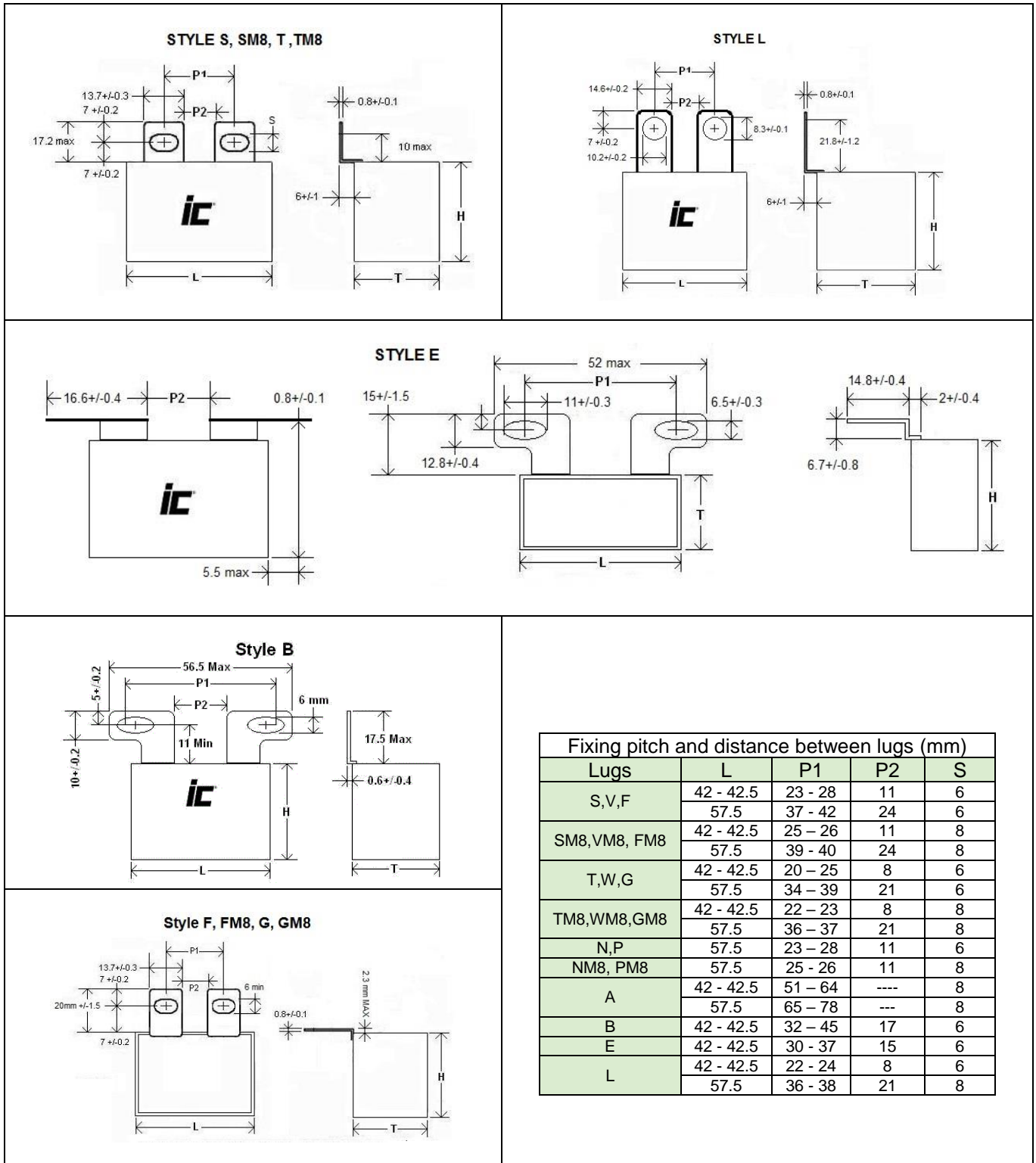
FEATURES

High Current - High dvdt - Multiple Lug Styles

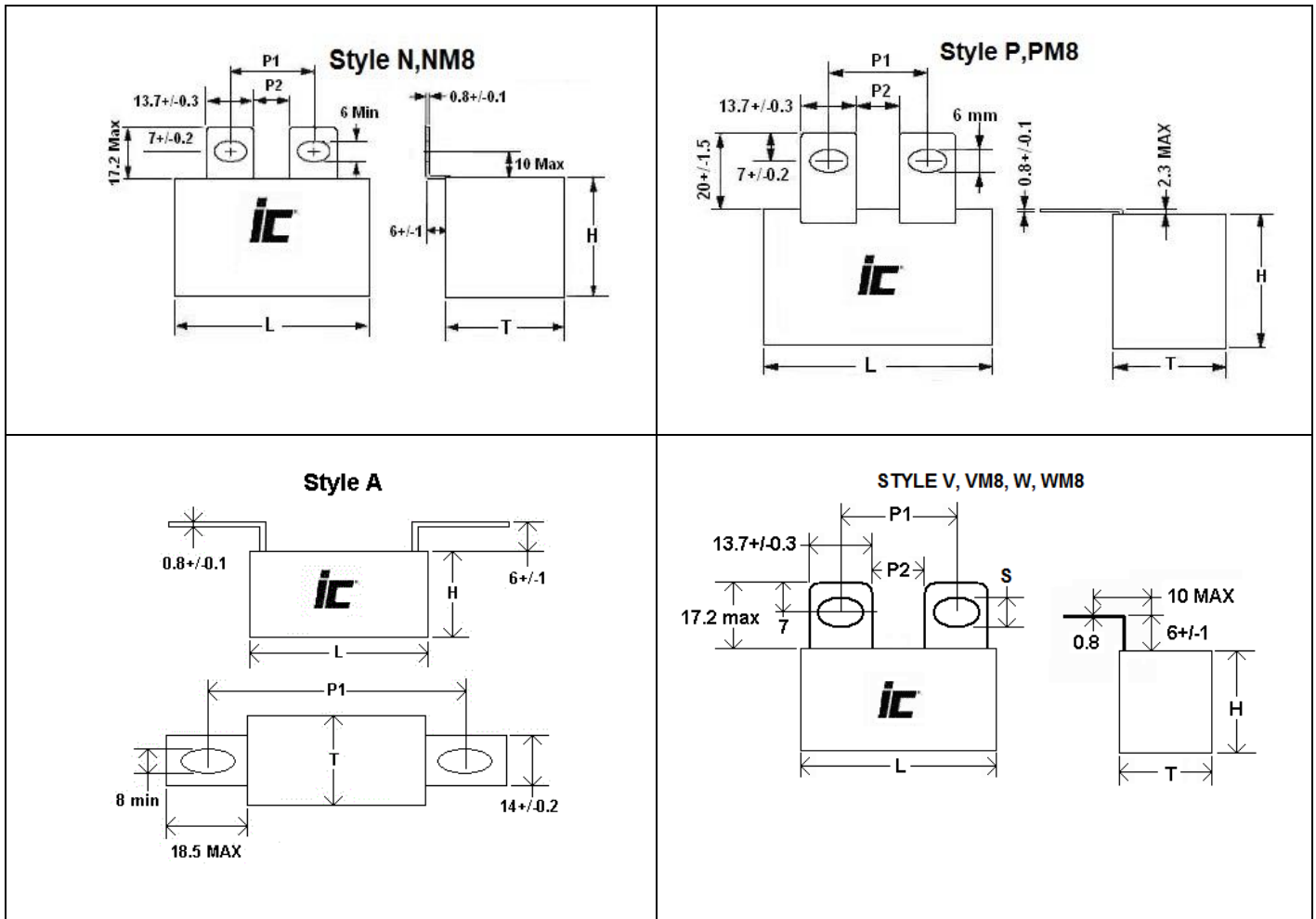
APPLICATIONS

Power Semiconductor Module Protection -
Resonant circuit - Switching power supplies

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
	VAC	400	500	600	800	1000
AC voltage (50/60 Hz)	WVDC	250	330	400	600	700
	VAC	160	220	275	350	400
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					
	3000 MΩxμF (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 at 40°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 VDC 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					



Fixing pitch and distance between lugs (mm)				
Lugs	L	P1	P2	S
S,V,F	42 - 42.5	23 - 28	11	6
	57.5	37 - 42	24	6
SM8,VM8, FM8	42 - 42.5	25 - 26	11	8
	57.5	39 - 40	24	8
T,W,G	42 - 42.5	20 - 25	8	6
	57.5	34 - 39	21	6
TM8,WM8,GM8	42 - 42.5	22 - 23	8	8
	57.5	36 - 37	21	8
N,P	57.5	23 - 28	11	6
NM8, PM8	57.5	25 - 26	11	8
A	42 - 42.5	51 - 64	----	8
	57.5	65 - 78	---	8
B	42 - 42.5	32 - 45	17	6
E	42 - 42.5	30 - 37	15	6
L	42 - 42.5	22 - 24	8	6
	57.5	36 - 38	21	8



PMC

Metallized Polypropylene,
Power Semiconductor Direct
Mount Snubber Lug terminals

Capacitance (μF)	WVDC	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)
1.5	700	155PMC700K#P2	70	14.5	4.8	42.5x27.5x24.5
2	700	205PMC700K#P2	70	16.5	4	42.5x27.5x24.5
2.5	600	255PMC600K#P2	55	16	4	42.5x27.5x24.5
2.5	700	255PMC700K#P1	70	19.5	3.4	42.5x35.5x33.5
3	600	305PMC600K#P2	55	17	3.6	42.5x27.5x24.5
3	700	305PMC700K#P1	70	21.5	3.1	42.5x35.5x33.5
3.3	600	335PMC600K#	55	17	3.3	42.5x27.5x24.5
3.3	700	335PMC700K#	70	22	2.9	42.5x35.5x33.5
4	400	405PMC400K#P2	40	16.5	3.4	42.5x27.5x24.5
4	600	405PMC600K#P1	55	21.5	2.8	42.5x35.5x33.5
4	700	405PMC700K#P0	70	26	2.6	42.5x45x33
4.7	600	475PMC600K#	55	24	2.4	42.5x35.5x33.5
4.7	700	475PMC700K#	70	27	2.2	42.5x45x33
5	400	505PMC400K#P2	40	18.5	2.9	42.5x27.5x24.5
5	600	505PMC600K#P1	55	24	2.5	42.5x35.5x33.5
5	700	505PMC700K#P0	70	29	2.3	42.5x45x33
6.8	330	685PMC330K#	30	18.5	2.8	42.5x27.5x24.5
6.8	400	685PMC400K#P1	40	23	2.5	42.5x35.5x33.5
6.8	600	685PMC600K#P0	55	28.5	2.2	42.5x45x33
6.8	700	685PMC700K#	40	22.5	3.8	57.5x45x30
8	700	805PMC700K#	40	25.5	3.5	57.5x50x35
9	600	905PMC600K#P0	55	31.5	1.9	42.5x45x33
9	700	905PMC700K#	40	27	3.2	57.5x50x35
10	250	106PMC250K#P2	25	18	2.7	42.5x27.5x24.5
10	400	106PMC400K#P1	40	26.5	2.1	42.5x35.5x33.5

Capacitance (μF)	WVDC	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)
10	600	106PMC600K#	30	23.5	3.5	57.5x45x30
12.5	400	126PMC400K#P0	40	29.5	2	42.5x45x33
12.5	600	126PMC600K#	30	26	3.2	57.5x50x35
15	250	156PMC250K#P1	25	23.5	2.3	42.5x35.5x33.5
15	330	156PMC330K#	30	26.5	2	42.5x35.5x33.5
15	400	156PMC400K#P0	40	31.5	1.9	42.5x45x33
15	600	156PMC600K#	30	28.5	2.9	57.5x50x35
20	250	206PMC250K#P1	25	27	2	42.5x35.5x33.5
20	330	206PMC330K#	30	29.5	1.8	42.5x45x33
20	400	206PMC400K#	20	26.5	2.9	57.5x45x30
22	250	226PMC250K#	25	27.5	1.8	42.5x35.5x33.5
22	330	226PMC330K#	30	30.5	1.7	42.5x45x33
22	400	226PMC400K#	20	29	2.7	57.5x50x35
25	250	256PMC250K#P1	25	28.5	1.9	42.5x35.5x33.5
25	330	256PMC330K#	17	26.5	2.7	57.5x45x30
25	400	256PMC400K#	20	30.5	2.6	57.5x50x35
30	250	306PMC250K#P0	25	30	1.8	42.5x45x33
30	330	306PMC330K#	17	27.5	2.5	57.5x45x30
33	250	336PMC250K#	25	31	1.7	42.5x45x33
35	250	356PMC250K#P0	25	32	1.7	42.5x45x33
35	330	356PMC330K#	17	31	2.3	57.5x50x35
40	330	406PMC330K#	17	32.5	2.1	57.5x50x35
50	250	506PMC250K#	15	32.5	2.2	57.5x50x35
60	250	606PMC250K#	15	34.5	2	57.5x50x35

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 156PMC400KSP0 on WIN SOURCE](#)

 [Illinois Capacitor Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management