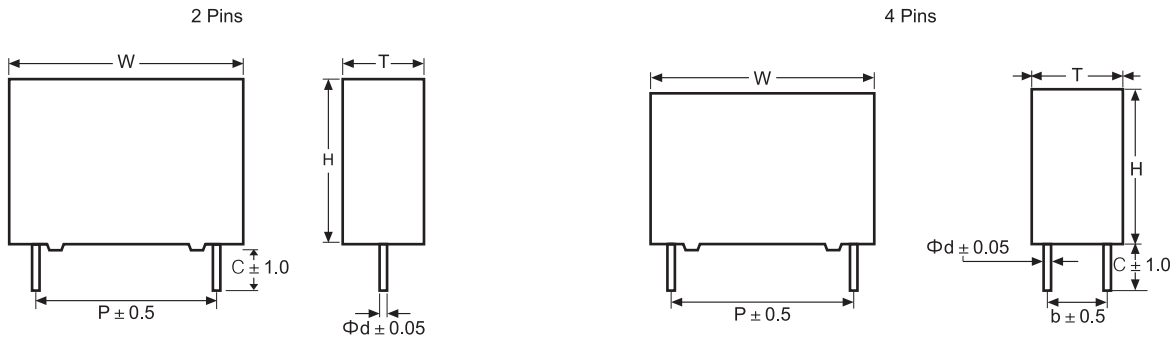


# IGBT吸收电容器(PCB)

## Snubber capacitor for IGBT (PCB)

### 外形图 Outline Drawing




### 特点

- 广泛应用于高压高频脉冲电路中
- 损耗小，内部温升小
- 优异的阻燃性能
- 适合作为IGBT的吸收电容

### Features

- Widely used in high voltage, high frequency circuit
- Low loss and small inherent temperature rise
- Excellent active and passive flame resistant circuit
- Especially designed as snubber capacitor for IGBT

### 安全认证 Safety Approvals

●		UL(美国)	UL 810 (construction only) 证书号(File No.): E256238, CCN: CZDS2
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### 技术要求 Specifications

引用标准 Reference Standard	GB/T 17702, IEC 61071	
气候类别 Climatic Category	40/85/56	
工作温度范围（外壳） Operating Temperature Range (case)	-40℃ ~ 85℃	
额定电压 Rated Voltage	630Vdc ~ 3 000Vdc	
电容量范围 Capacitance Range	0.047μF ~ 9.0μF	
电容量偏差 Capacitance Tolerance	J( ± 5%), K( ± 10%)	
耐电压 Test Voltage	1.5U <sub>N</sub> ( 10s )	
损耗角正切 Dissipation Factor	≤ 0.0005 (1kHz, 20℃ )	
绝缘电阻 Insulation Resistance	≥ 100 000MΩ , C <sub>N</sub> ≤ 0.33μF	(20℃ , 100Vdc,1min)
	≥ 30 000s    C <sub>N</sub> > 0.33μF	
工作寿命 Operation life time	≥ 100 000 hours at U <sub>N</sub> , T <sub>amb</sub> =70℃	

## 产品编码说明 Part number system

### ■ 18位产品代码如下:

The 15 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	3	H															

第1~3位	型号代码	Digit 1 to 3	Series code
	C3H		C3H
第4~5位	直流额定电压	Digit 4 to 5	D.C. rated voltage
	2J=630V 1V=700V 1W=850V 3A=1 000V		2J=630V 1V=700V 1W=850V 3A=1 000V
	3L=1 200V 3C=1 600V 7M=1 700V		3L=1 200V 3C=1 600V 7M=1 700V
	3D=2 000V 3E=2 500V 4Q=3 000V		3D=2 000V 3E=2 500V 4Q=3 000V
第6~8位	标称容量	Digit 6 to 8	Rated capacitance value
	举例: 105=10 × 10 <sup>5</sup> pF= 1.0μF		For example : 105=10 × 10 <sup>5</sup> pF= 1.0μF
第9位	容量等级	Digit 9	Capacitance tolerance
	J= ± 5%,K= ± 10%		J= ± 5%,K= ± 10%
第10位	引线间距P	Digit10	Pitch
	D=32.5 mm F=37.5 mm M=52.5 mm		D=32.5 mm F=37.5 mm M=52.5 mm
第11位	内部特征码	Digit11	Internal use
第12~15位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code
第16~18位	内部特征码	Digit 16 to 18	Internal use

### ■ Table 1 引线加工和包装代码 lead form and packaging code

第 12 位 Digit 12		第 13 和第 14 位 Digit 13 and Digit 14		第 15 位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
0	2 引线散装 Two pins(bulk)	00  38	标准引线长度 5.5mm standard lead length 5.5mm  引线长度 3.8mm lead length 3.8mm	0	引线长度偏差 ± 1.0mm Length tolerance ± 1.0mm
6	4 引线散装 four pins(bulk) b=5.0mm			2	引线长度偏差 ± 0.5mm Length tolerance ± 0.5mm
1	4 引线散装 four pins(bulk) b=10.0mm				
2	4 引线散装 four pins(bulk) b=12.7mm				
3	4 引线散装 four pins(bulk) b=20.0mm				
A	4 引线散装 four pins(bulk) b=20.3mm				
B	4 引线散装 four pins(bulk) b=10.2mm				
C	4 引线散装 four pins(bulk) b=5.1mm				



C3H

## ■ 技术参数 Technical data ( mm )

630Vdc / 700Vdc ( 420Vac ) #												
C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	$\hat{I}$ (A)	ESR MAX@100kHz (m $\Omega$ )	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.68	37.0	25.0	15.0	32.5	—	1.2	900	612	6.0	11	23	C3H1V684+D00+++***
0.68	37.0	25.0	15.0	32.5	5.1	1.0	900	612	5.0	13	23	C3H1V684+D0C+++***
1.0	37.0	30.0	16.0	32.5	—	1.2	900	900	6.0	12	23	C3H1V105+D00+++***
1.0	37.0	30.0	16.0	32.5	5.1	1.0	900	900	5.0	14	23	C3H1V105+D0C+++***
1.2	37.0	30.0	16.0	32.5	—	1.2	900	1 080	5.5	14	23	C3H1V125+D00+++***
1.2	37.0	30.0	16.0	32.5	5.1	1.0	900	1 080	4.5	16	23	C3H1V125+D0C+++***
1.5	37.0	34.0	20.0	32.5	—	1.2	900	1 350	5.5	14	23	C3H1V155+D00+++***
1.5	37.0	34.0	20.0	32.5	10.2	1.0	900	1 350	4.5	17	23	C3H1V155+D0B+++***
1.8	37.0	34.0	20.0	32.5	—	1.2	900	1 620	5.5	14	23	C3H1V185+D00+++***
1.8	37.0	34.0	20.0	32.5	10.2	1.0	900	1 620	4.5	18	23	C3H1V185+D0B+++***
2.0	42.0	40.0	20.0	37.5	—	1.2	600	1 200	5.0	14	29	C3H1V205+F00+++***
2.0	42.0	40.0	20.0	37.5	10.2	1.2	600	1 200	4.0	18	29	C3H1V205+F0B+++***
2.2	42.0	40.0	20.0	37.5	—	1.2	600	1 320	5.0	14	29	C3H1V225+F00+++***
2.2	42.0	40.0	20.0	37.5	10.2	1.2	600	1 320	4.0	18.5	29	C3H1V225+F0B+++***
2.5	42.0	40.0	20.0	37.5	—	1.2	600	1 500	5.0	14	29	C3H1V255+F00+++***
2.5	42.0	40.0	20.0	37.5	10.2	1.2	600	1 500	4.0	19	29	C3H1V255+F0B+++***
3.0	42.0	44.0	24.0	37.5	—	1.2	600	1 800	5.0	14	29	C3H1V305+F00+++***
3.0	42.0	44.0	24.0	37.5	12.7	1.2	600	1 800	4.0	20	29	C3H1V305+F02+++***
3.3	42.0	44.0	24.0	37.5	—	1.2	600	1 980	4.5	14	29	C3H1V335+F00+++***
3.3	42.0	44.0	24.0	37.5	12.7	1.2	600	1 980	3.5	20	29	C3H1V335+F02+++***
4.0	42.0	44.0	24.0	37.5	—	1.2	600	2 400	4.5	14	29	C3H1V405+F00+++***
4.0	42.0	44.0	24.0	37.5	12.7	1.2	600	2 400	3.5	21	29	C3H1V405+F02+++***
4.7	42.0	45.0	30.0	37.5	20.3	1.2	600	2 820	3.5	23	29	C3H1V475+F0A+++***
5.0	42.0	45.0	30.0	37.5	20.3	1.2	600	3 000	3.0	23.5	29	C3H1V505+F0A+++***
6.0	42.0	43.0	42.0	37.5	20.3	1.2	600	3600	3.0	25	29	C3H1V605+F0A+++***
6.5	42.0	43.0	42.0	37.5	20.3	1.2	600	3 900	3.0	26	29	C3H1V655+F0A+++***
6.5	57.0	43.5	29.5	52.5	20.3	1.2	360	2 340	2.5	24	33	C3H1V655+M0A+++***
7.0	57.0	43.5	29.5	52.5	20.3	1.2	360	2 520	2.5	25	33	C3H1V705+M0A+++***
8.0	57.0	50.0	35.0	52.5	20.3	1.2	360	2 880	2.5	27	33	C3H1V805+M0A+++***
9.0	57.0	50.0	35.0	52.5	20.3	1.2	360	3 240	2.5	28	33	C3H1V905+M0A+++***

850Vdc ( 420Vac )												
C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	$\hat{I}$ (A)	ESR MAX@100kHz (m $\Omega$ )	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.47	37.0	25.0	15.0	32.5	—	1.2	1 200	564	6.0	13	23	C3H1W474+D00+++***
0.47	37.0	25.0	15.0	32.5	5.1	1.0	1 200	564	5.0	15	23	C3H1W474+D0C+++***
0.68	37.0	30.0	16.0	32.5	—	1.2	1 200	816	6.0	14	23	C3H1W684+D00+++***
0.68	37.0	30.0	16.0	32.5	5.1	1.0	1 200	816	5.0	16	23	C3H1W684+D0C+++***
1.0	37.0	34.0	20.0	32.5	—	1.2	1 200	1 200	6.0	14	23	C3H1W105+D00+++***
1.0	37.0	34.0	20.0	32.5	10.2	1.0	1 200	1 200	5.0	17	23	C3H1W105+D0B+++***
1.2	37.0	34.0	20.0	32.5	—	1.2	1 200	1 440	6.0	14	23	C3H1W125+D00+++***
1.2	37.0	34.0	20.0	32.5	10.2	1.0	1 200	1 440	5.0	17.5	23	C3H1W125+D0B+++***

■ 技术参数 Technical data ( mm )

850Vdc ( 450Vac )												
C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	$\hat{I}$ (A)	ESR MAX@100kHz (mΩ)	I <sub>rms</sub> 100kHz@70℃ (A)	L <sub>s</sub> (nH)	Part number
1.5	37.0	34.0	20.0	32.5	—	1.2	1 200	1 800	6.0	14	23	C3H1W155+ D00+++***
1.5	37.0	34.0	20.0	32.5	10.2	1.0	1 200	1 800	5.0	18	23	C3H1W155+ D0B+++***
1.5	42.0	40.0	20.0	37.5	—	1.2	750	1 125	5.5	14	29	C3H1W155+F00+++***
1.5	42.0	40.0	20.0	37.5	10.2	1.2	750	1 125	4.5	18.5	29	C3H1W155+F0B+++***
2.0	42.0	40.0	20.0	37.5	—	1.2	750	1 500	5.5	14	29	C3H1W205+F00+++***
2.0	42.0	40.0	20.0	37.5	10.2	1.2	750	1 500	4.5	19	29	C3H1W205+F0B+++***
2.2	42.0	40.0	20.0	37.5	—	1.2	750	1 650	5.5	14	29	C3H1W225+F00+++***
2.2	42.0	40.0	20.0	37.5	10.2	1.2	750	1 650	4.5	19.5	29	C3H1W225+F0B+++***
2.5	42.0	44.0	24.0	37.5	—	1.2	750	1 875	5.5	14	29	C3H1W255+F00+++***
2.5	42.0	44.0	24.0	37.5	12.7	1.2	750	1 875	4.5	20	29	C3H1W255+F02+++***
3.0	42.0	44.0	24.0	37.5	—	1.2	750	2 250	5.5	14	29	C3H1W305+F00+++***
3.0	42.0	44.0	24.0	37.5	12.7	1.2	750	2 250	4.5	21	29	C3H1W305+F02+++***
3.3	42.0	45.0	30.0	37.5	20.3	1.2	750	2 475	4.5	21.5	29	C3H1W335+F0A+++***
4.0	42.0	43.0	42.0	37.5	20.3	1.2	750	3 000	4.5	22	29	C3H1W405+F0A+++***
4.0	57.0	43.5	29.5	52.5	20.3	1.2	450	1 800	4.0	23	33	C3H1W405+M0A+++***
4.7	57.0	43.5	29.5	52.5	20.3	1.2	450	2 115	4.0	24.5	33	C3H1W475+M0A+++***
5.0	57.0	43.5	29.5	52.5	20.3	1.2	450	2 250	4.0	25	33	C3H1W505+M0A+++***
6.0	57.0	50.0	35.0	52.5	20.3	1.2	450	2 700	4.0	26	33	C3H1W605+M0A+++***
6.5	57.0	50.0	35.0	52.5	20.3	1.2	450	2 925	4.0	27	33	C3H1W655+M0A+++***

1 000Vdc ( 500Vac )												
C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	$\hat{I}$ (A)	ESR MAX@100kHz (mΩ)	I <sub>rms</sub> 100kHz@70℃ (A)	L <sub>s</sub> (nH)	Part number
0.47	37.0	25.0	15.0	32.5	—	1.2	1 300	611	6.0	12	23	C3H3A474+D00+++***
0.47	37.0	25.0	15.0	32.5	5.1	1.0	1 300	611	5.0	14	23	C3H3A474+D0C+++***
0.68	37.0	30.0	16.0	32.5	—	1.2	1 300	884	6.0	13	23	C3H3A684+D00+++***
0.68	37.0	30.0	16.0	32.5	5.1	1.0	1 300	884	5.0	15	23	C3H3A684+D0C+++***
0.82	37.0	30.0	16.0	32.5	—	1.2	1 300	1 066	6.0	14	23	C3H3A824+D00+++***
0.82	37.0	30.0	16.0	32.5	5.1	1.0	1 300	1 066	5.0	16	23	C3H3A824+D0C+++***
1.0	37.0	34.0	20.0	32.5	—	1.2	1 300	1 300	5.5	14	23	C3H3A105+ D00+++***
1.0	37.0	34.0	20.0	32.5	10.2	1.0	1 300	1 300	4.5	17	23	C3H3A105+ D0B+++***
1.2	37.0	34.0	20.0	32.5	—	1.2	1 300	1 560	5.5	14	23	C3H3A125+ D00+++***
1.2	37.0	34.0	20.0	32.5	10.2	1.0	1 300	1 560	4.5	17	23	C3H3A125+ D0B+++***
1.2	42.0	40.0	20.0	37.5	—	1.2	850	1 020	5.5	14	29	C3H3A125+ F00+++***
1.2	42.0	40.0	20.0	37.5	10.2	1.2	850	1 020	4.5	16	29	C3H3A125+ F0B+++***
1.5	42.0	40.0	20.0	37.5	—	1.2	850	1 275	5.5	14	29	C3H3A155+ F00+++***
1.5	42.0	40.0	20.0	37.5	10.2	1.2	850	1 275	4.5	16	29	C3H3A155+ F0B+++***
2	42.0	44.0	24.0	37.5	—	1.2	850	1 700	5.5	14	29	C3H3A205+ F00+++***
2	42.0	44.0	24.0	37.5	12.7	1.2	850	1 700	4.5	17	29	C3H3A205+ F02+++***



C3H

## ■ 技术参数 Technical data ( mm )

1 000Vdc ( 500Vac )												
C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	$\hat{I}$ (A)	ESR MAX@100kHz (m $\Omega$ )	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
2.2	42.0	44.0	24.0	37.5	—	1.2	850	1 870	5.0	14	29	C3H3A225+ F00+++***
2.2	42.0	44.0	24.0	37.5	12.7	1.2	850	1 870	4.0	20	29	C3H3A225+ F02+++***
2.5	42.0	45.0	30.0	37.5	20.3	1.2	850	2 125	4.0	21	29	C3H3A255+ F0A+++***
3.0	42.0	45.0	30.0	37.5	20.3	1.2	850	2 550	4.0	21.5	29	C3H3A305+ F0A+++***
3.3	42.0	43.0	42.0	37.5	20.3	1.2	850	2 805	4.0	22	29	C3H3A335+ F0A+++***
3.3	57.0	43.5	29.5	52.5	20.3	1.2	500	1 650	4.0	20	33	C3H3A335+ M0A+++***
4.0	57.0	43.5	29.5	52.5	20.3	1.2	500	2 000	4.0	21	33	C3H3A405+ M0A+++***
4.7	57.0	50.0	35.0	52.5	20.3	1.2	500	2 350	4.0	22	33	C3H3A475+ M0A+++***
5.0	57.0	50.0	35.0	52.5	20.3	1.2	500	2 500	4.0	23	33	C3H3A505+ M0A+++***

1 200Vdc ( 600Vac )												
C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	$\hat{I}$ (A)	ESR MAX@100kHz (m $\Omega$ )	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.33	37.0	25.0	15.0	32.5	—	1.2	1 500	495	6.5	11.5	23	C3H3L334+ D00+++***
0.33	37.0	25.0	15.0	32.5	5.1	1.0	1 500	495	5.5	13.5	23	C3H3L334+ D0C+++***
0.47	37.0	30.0	16.0	32.5	—	1.2	1 500	705	6.5	12	23	C3H3L474+ D00+++***
0.47	37.0	30.0	16.0	32.5	5.1	1.0	1 500	705	5.5	14	23	C3H3L474+ D0C+++***
0.68	37.0	34.0	20.0	32.5	—	1.2	1 500	1 020	6.5	13	23	C3H3L684+ D00+++***
0.68	37.0	34.0	20.0	32.5	10.2	1.0	1 500	1 020	5.5	15	23	C3H3L684+ D0B+++***
0.75	37.0	34.0	20.0	32.5	—	1.2	1 500	1 125	6.5	14	23	C3H3L754+ D00+++***
0.75	37.0	34.0	20.0	32.5	10.2	1.0	1 500	1 125	5.5	16	23	C3H3L754+ D0B+++***
0.82	42.0	40.0	20.0	37.5	—	1.2	950	779	6.0	14	29	C3H3L824+ F00+++***
0.82	42.0	40.0	20.0	37.5	10.2	1.2	950	779	5.0	16	29	C3H3L824+ F0B+++***
1.0	42.0	40.0	20.0	37.5	—	1.2	950	950	6.0	14	29	C3H3L105+ F00+++***
1.0	42.0	40.0	20.0	37.5	10.2	1.2	950	950	5.0	17	29	C3H3L105+ F0B+++***
1.2	42.0	44.0	24.0	37.5	—	1.2	950	1 140	5.5	14	29	C3H3L125+ F00+++***
1.2	42.0	44.0	24.0	37.5	12.7	1.2	950	1 140	4.5	17	29	C3H3L125+ F02+++***
1.5	42.0	44.0	24.0	37.5	—	1.2	950	1 425	5.5	14	29	C3H3L155+ F00+++***
1.5	42.0	44.0	24.0	37.5	12.7	1.2	950	1 425	4.5	17.5	29	C3H3L155+ F02+++***
2.0	42.0	45.0	30.0	37.5	20.3	1.2	950	1 900	4.5	18	29	C3H3L205+ F0A+++***
2.2	42.0	43.0	42.0	37.5	20.3	1.2	950	2 090	4.5	19	29	C3H3L225+ F0A+++***
2.5	42.0	43.0	42.0	37.5	20.3	1.2	950	2 375	4.5	20	29	C3H3L255+ F0A+++***
2.2	57.0	43.5	29.5	52.5	20.3	1.2	600	1 320	4.0	18	33	C3H3L225+ M0A+++***
2.5	57.0	43.5	29.5	52.5	20.3	1.2	600	1 500	4.0	19	33	C3H3L255+ M0A+++***
3.0	57.0	50.0	35.0	52.5	20.3	1.2	600	1 800	4.0	20	33	C3H3L305+ M0A+++***
3.3	57.0	50.0	35.0	52.5	20.3	1.2	600	1 980	4.0	21	33	C3H3L335+ M0A+++***
3.5	57.0	50.0	35.0	52.5	20.3	1.2	600	2 400	4.0	22	33	C3H3L355+ M0A+++***

■ 技术参数 Technical data ( mm )

1 600Vdc ( 650Vac )												
C <sub>N</sub> (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	Î (A)	ESR MAX@100kHz (mΩ)	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.22	37.0	25.0	15.0	32.5	—	1.2	1 900	418	7.5	11	23	C3H3C224+ D00+++***
0.22	37.0	25.0	15.0	32.5	5.1	1.0	1 900	418	6.5	13	23	C3H3C224+ D0C+++***
0.33	37.0	30.0	16.0	32.5	—	1.2	1 900	627	7.5	11.5	23	C3H3C334+ D00+++***
0.33	37.0	30.0	16.0	32.5	5.1	1.0	1 900	627	6.5	13.5	23	C3H3C334+ D0C+++***
0.39	37.0	34.0	20.0	32.5	—	1.2	1 900	741	7.0	12	23	C3H3C394+ D00+++***
0.39	37.0	34.0	20.0	32.5	5.1	1.0	1 900	741	6.0	14	23	C3H3C394+ D0C+++***
0.47	37.0	34.0	20.0	32.5	—	1.2	1 900	893	7.0	13	23	C3H3C474+ D00+++***
0.47	37.0	34.0	20.0	32.5	10.2	1.0	1 900	893	6.0	15	23	C3H3C474+ D0B+++***
0.68	42.0	40.0	20.0	37.5	—	1.2	1 250	850	4.0	14	29	C3H3C684+ F00+++***
0.68	42.0	40.0	20.0	37.5	10.2	1.2	1 250	850	4.0	16	29	C3H3C684+ F0B+++***
0.82	42.0	44.0	24.0	37.5	—	1.2	1 250	1 025	4.0	14	29	C3H3C824+ F00+++***
0.82	42.0	44.0	24.0	37.5	12.7	1.2	1 250	1 025	4.0	17	29	C3H3C824+ F02+++***
1.0	42.0	45.0	30.0	37.5	20.3	1.2	1 250	1 250	4.0	17.5	29	C3H3C105+ F0A+++***
1.2	42.0	45.0	30.0	37.5	20.3	1.2	1 250	1 500	4.0	18	29	C3H3C125+ F0A+++***
1.5	42.0	43.0	42.0	37.5	20.3	1.2	1 250	1 875	4.0	19	29	C3H3C155+ F0A+++***
1.5	57.0	43.5	29.5	52.5	20.3	1.2	750	1 125	4.0	20	33	C3H3C155+ M0A+++***
2.0	57.0	50.0	35.0	52.5	20.3	1.2	750	1 500	4.0	22	33	C3H3C205+ M0A+++***

1 700Vdc ( 675Vac )												
C <sub>N</sub> (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	b ± 0.5	d ± 0.05	dV/dt (V/μs)	Î (A)	ESR MAX@100kHz (mΩ)	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.15	37.0	25.0	15.0	32.5	—	1.2	2 000	300	8.5	10	23	C3H7M154+ D00+++***
0.15	37.0	25.0	15.0	32.5	5.1	1.0	2 000	300	7.5	12	23	C3H7M154+ D0C+++***
0.22	37.0	30.0	16.0	32.5	—	1.2	2 000	440	7.5	11	23	C3H7M224+ D00+++***
0.22	37.0	30.0	16.0	32.5	5.1	1.0	2 000	440	6.5	13	23	C3H7M224+ D0C+++***
0.33	37.0	34.0	20.0	32.5	—	1.2	2 000	660	7.0	11.5	23	C3H7M334+ D00+++***
0.33	37.0	34.0	20.0	32.5	10.2	1.0	2 000	660	6.0	13.5	23	C3H7M334+ D0B+++***
0.39	37.0	34.0	20.0	32.5	—	1.2	2 000	780	7.0	12	23	C3H7M394+ D00+++***
0.39	37.0	34.0	20.0	32.5	10.2	1.0	2 000	780	6.0	14	23	C3H7M394+ D0B+++***
0.47	42.0	36.0	24.0	37.5	—	1.2	1 260	592	6.0	12	29	C3H7M474+ F00+++***
0.47	42.0	36.0	24.0	37.5	12.7	1.2	1 260	592	5.0	14	29	C3H7M474+ F02+++***
0.56	42.0	36.0	24.0	37.5	—	1.2	1 260	706	6.0	13	29	C3H7M564+ F00+++***
0.56	42.0	36.0	24.0	37.5	12.7	1.2	1 260	706	5.0	15	29	C3H7M564+ F02+++***
0.68	42.0	44.0	24.0	37.5	—	1.2	1 260	857	6.0	14	29	C3H7M684+ F00+++***
0.68	42.0	44.0	24.0	37.5	12.7	1.2	1 260	857	6.0	16	29	C3H7M684+ F02+++***
0.82	42.0	44.0	24.0	37.5	—	1.2	1 260	1 033	5.5	14	29	C3H7M824+ F00+++***
0.82	42.0	44.0	24.0	37.5	12.7	1.2	1 260	1 033	4.5	17	29	C3H7M824+ F02+++***
1.0	42.0	45.0	30.0	37.5	20.3	1.2	1 260	1 260	4.5	18	29	C3H7M105+ F0A+++***
1.2	42.0	43.0	42.0	37.5	20.3	1.2	1 260	1 512	4.5	19	29	C3H7M125+ F0A+++***
1.0	57.0	45.0	25.0	52.5	20.3	1.2	780	780	4.0	16	33	C3H7M105+ M0A+++***
1.2	57.0	43.5	29.5	52.5	20.3	1.2	780	936	4.0	17	33	C3H7M125+ M0A+++***
1.5	57.0	43.5	29.5	52.5	20.3	1.2	780	1 170	4.0	20	33	C3H7M155+ M0A+++***
2.0	57.0	50.0	35.0	52.5	20.3	1.2	780	1 560	4.0	22	33	C3H7M205+ M0A+++***



C3H

## ■ 技术参数 Technical data ( mm )

2 000Vdc ( 700Vac )												
C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	$\hat{I}$ (A)	ESR MAX@100kHz (m $\Omega$ )	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.10	37.0	25.0	15.0	32.5	—	1.2	2 241	224	9.5	10	23	C3H3D104+ D00+++***
0.10	37.0	25.0	15.0	32.5	5.1	1.0	2 241	224	8.5	12	23	C3H3D104+ D0C+++***
0.15	37.0	25.0	15.0	32.5	—	1.2	2 241	336	9.5	11	23	C3H3D154+ D00+++***
0.15	37.0	25.0	15.0	32.5	5.1	1.0	2 241	336	8.5	13	23	C3H3D154+ D0C+++***
0.22	37.0	30.0	16.0	32.5	—	1.2	2 241	493	7.5	11.5	23	C3H3D224+ D00+++***
0.22	37.0	30.0	16.0	32.5	5.1	1.0	2 241	493	6.5	13.5	23	C3H3D224+ D0C+++***
0.33	37.0	34.0	20.0	32.5	—	1.2	2 241	740	7.5	12	23	C3H3D334+ D00+++***
0.33	37.0	34.0	20.0	32.5	10.2	1.0	2 241	740	6.5	14	23	C3H3D334+ D0B+++***
0.47	42.0	40.0	20.0	37.5	—	1.2	1 300	611	6.0	13	29	C3H3D474+ F00+++***
0.47	42.0	40.0	20.0	37.5	10.2	1.2	1 300	611	5.0	15	29	C3H3D474+ F0B+++***
0.56	42.0	44.0	24.0	37.5	—	1.2	1 300	728	6.0	14	29	C3H3D564+ F00+++***
0.56	42.0	44.0	24.0	37.5	12.7	1.2	1 300	728	5.0	16	29	C3H3D564+ F02+++***
0.68	42.0	44.0	24.0	37.5	—	1.2	1 300	884	5.5	14	29	C3H3D684+ F00+++***
0.68	42.0	44.0	24.0	37.5	12.7	1.2	1 300	884	4.5	16.5	29	C3H3D684+ F02+++***
0.82	42.0	45.0	30.0	37.5	20.3	1.2	1 300	1 066	4.5	17	29	C3H3D824+ F0A+++***
1.0	42.0	43.0	42.0	37.5	20.3	1.2	1 300	1 300	4.5	19	29	C3H3D105+ F0A+++***
1.0	57.0	43.5	29.5	52.5	20.3	1.2	850	850	4.5	20	33	C3H3D105+ M0A+++***
1.2	57.0	43.5	29.5	52.5	20.3	1.2	850	1 020	4.5	21	33	C3H3D125+ M0A+++***
1.5	57.0	50.0	35.0	52.5	20.3	1.2	850	1 275	4.5	22	33	C3H3D155+ M0A+++***

2 500Vdc ( 725Vac )												
C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	$\hat{I}$ (A)	ESR MAX@100kHz (m $\Omega$ )	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.068	37.0	25.0	15.0	32.5	—	1.2	3 230	220	10.0	10	23	C3H3E683+ D00+++***
0.068	37.0	25.0	15.0	32.5	5.1	1.0	3 230	220	9.0	12	23	C3H3E683+ D0C+++***
0.10	37.0	30.0	16.0	32.5	—	1.2	3 230	323	10.0	11	23	C3H3E104+ D00+++***
0.10	37.0	30.0	16.0	32.5	5.1	1.0	3 230	323	9.0	13	23	C3H3E104+ D0C+++***
0.15	37.0	34.0	20.0	32.5	—	1.2	3 230	485	9.5	12	23	C3H3E154+ D00+++***
0.15	37.0	34.0	20.0	32.5	10.2	1.0	3 230	485	8.5	14	23	C3H3E154+ D0B+++***
0.18	37.0	34.0	20.0	32.5	—	1.2	3 230	581	9.0	13	23	C3H3E184+ D00+++***
0.18	37.0	34.0	20.0	32.5	10.2	1.0	3 230	581	8.0	15	23	C3H3E184+ D0B+++***
0.22	42.0	40.0	20.0	37.5	—	1.2	2 100	462	5.5	13	29	C3H3E224+ F00+++***
0.22	42.0	40.0	20.0	37.5	10.2	1.2	2 100	462	4.5	15	29	C3H3E224+ F0B+++***
0.33	42.0	44.0	24.0	37.5	—	1.2	2 100	693	5.5	13	29	C3H3E334+ F00+++***
0.33	42.0	44.0	24.0	37.5	12.7	1.2	2 100	693	4.5	15.2	29	C3H3E334+ F02+++***
0.47	42.0	45.0	30.0	37.5	20.3	1.2	2 100	987	4.0	16	29	C3H3E474+ F0A+++***
0.68	42.0	43.0	42.0	37.5	20.3	1.2	2 100	1428	4.0	16.5	29	C3H3E684+ F0A+++***
0.68	57.0	43.5	29.5	52.5	20.3	1.2	1 200	816	4.0	17	33	C3H3E684+ M0A+++***
1.0	57.0	50.0	35.0	52.5	20.3	1.2	1 200	1 200	4.0	17.5	33	C3H3E105+ M0A+++***



■ 技术参数 Technical data ( mm )

3 000Vdc ( 750Vac )												
C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	$\hat{I}$ (A)	ESR MAX@100kHz (m $\Omega$ )	I <sub>rms</sub> 100kHz@70°C (A)	L <sub>s</sub> (nH)	Part number
0.047	37.0	25.0	15.0	32.5	—	1.2	3 361	158	10.5	9	23	C3H4Q473+ D00+++***
0.047	37.0	25.0	15.0	32.5	5.1	1.0	3 361	158	9.5	11	23	C3H4Q473+ D0C+++***
0.068	37.0	30.0	16.0	32.5	—	1.2	3 361	229	10.0	10	23	C3H4Q683+ D00+++***
0.068	37.0	30.0	16.0	32.5	5.1	1.0	3 361	229	9.0	12	23	C3H4Q683+ D0C+++***
0.10	37.0	34.0	20.0	32.5	—	1.2	3 361	336	9.5	11	23	C3H4Q104+ D00+++***
0.10	37.0	34.0	20.0	32.5	10.2	1.0	3 361	336	8.5	13	23	C3H4Q104+ D0B+++***
0.15	37.0	34.0	20.0	32.5	—	1.2	3 361	504	9.0	11.5	23	C3H4Q154+ D00+++***
0.15	37.0	34.0	20.0	32.5	10.2	1.0	3 361	504	8.0	13.5	23	C3H4Q154+ D0B+++***
0.22	42.0	40.0	20.0	37.5	—	1.2	2 050	451	7.0	12	29	C3H4Q224+ F00+++***
0.22	42.0	40.0	20.0	37.5	10.2	1.2	2 050	451	6.0	14	29	C3H4Q224+ F0B+++***
0.33	42.0	45.0	30.0	37.5	20.3	1.2	2 050	677	5.5	14.5	29	C3H4Q334+ F0A+++***
0.47	42.0	43.0	42.0	37.5	20.3	1.2	2 050	964	5.0	16	29	C3H4Q474+ F0A+++***
0.47	57.0	43.5	29.5	52.5	20.3	1.2	1 200	564	5.0	16.5	33	C3H4Q474+ M0A+++***
0.68	57.0	50.0	35.0	52.5	20.3	1.2	1 200	816	5.0	17	33	C3H4Q684+ M0A+++***
0.82	57.0	50.0	35.0	52.5	20.3	1.2	1 200	984	4.5	18	33	C3H4Q824+ M0A+++***

备注：1. “+” 表示容量偏差。 “+” =capacitance tolerance code , K=  $\pm 10\%$ , J=  $\pm 5\%$ .

2. “+++” =引线长度和长度偏差 ( lead length and tolerance).

3. “#” 当额定电压为630Vdc时,第4~5位为2J。 “#” when the rated voltage is 630Vdc,the digit 4~5 is 2J.

4. “\*\*\*” 表示内部特征码。 “\*\*\*” = Internal use.

5. 当 “b=5.0mm” 时,第12位代码为 “6” ; 当 “b=10.0mm” 时,第12位代码为 “1” ; 当 “b=20.0 mm” 时,第12位代码为 “3” ;  
When the b=5.0mm, the digit 12 is “6” ;When the b=10.0mm, the digit 12 is “1” ;When the b=20.0mm, the digit 12 is “3” ;

6. “I<sub>rms</sub>” 测试条件：环境温度70°C，频率100kHz，外壳温度达到85°C下的有效值。

“I<sub>rms</sub>” at 100kHz,+70°C for case operating T=+85°C.

7. “ESR”、“L<sub>s</sub>” 均为典型值。

“ESR” , “L<sub>s</sub>” are typical values.