

Snubber capacitor for IGBT(Axial-Type)

■ Structure

- Dielectric: Metallized Polypropylene Film
- Electrode: Special process metal vacuum evaporation layer.
- Encapsulation: Flame retardant epoxy resin sealing, conforming to UL94 V-0
- Shell: Flame retardant PBT plastic shell, conforming to UL94 V-0

■ Typical Application

- Widely used in high voltage and high frequency pulse circuit; low dissipation; small internal temperature rise; excellent flame retardant performance; suitable as Snubber Capacitor of IGBT.

■ Characteristics

- Good appearance consistency, good self-healing property, strong humidity resistance; can withstand high pulse current; long lifetime; excellent overvoltage resistance.

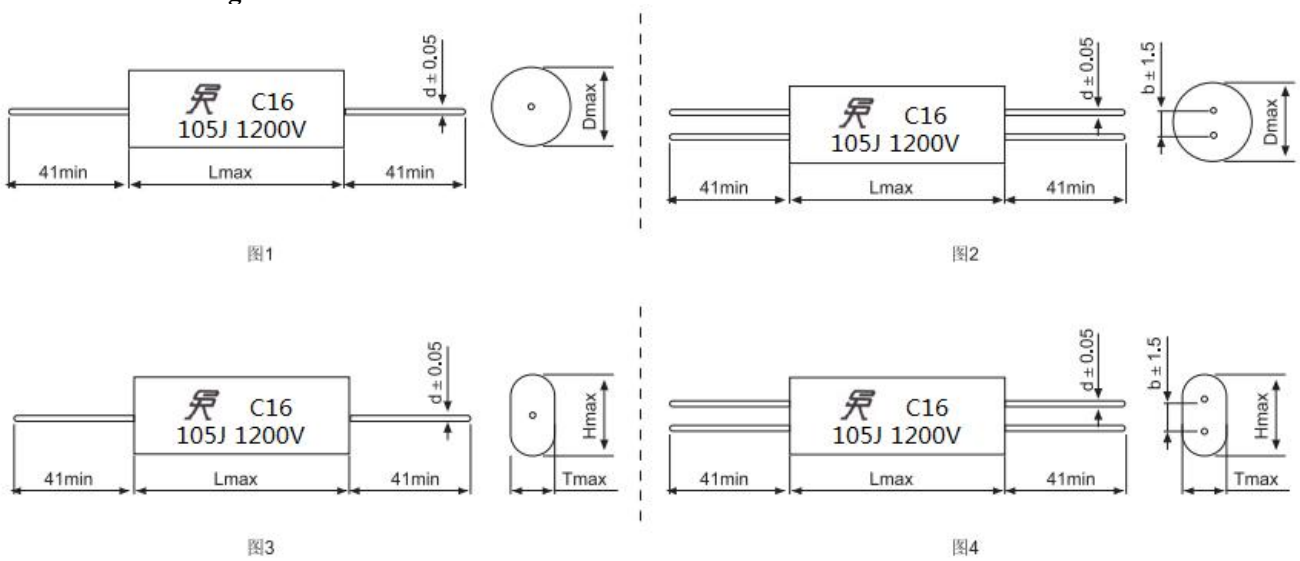
■ Conform to RoHS Standards

■ Technical Parameter

Reference Standards	GB/T17702 (IEC 61071)	
Climatic Category	40/85/56	
Rated Voltage	630Vdc、850Vdc、1000Vdc、1200Vdc、1500Vdc、1600Vdc 2000Vdc、2500Vdc、3000Vdc	
Operating Temperature Range (Shell)	-40℃~85℃	
Capacitance Range	0.0068μF - 10.0μF	
Capacitance Tolerance	J (±5%)、K (±10%)	
Voltage Proof	Terminal to terminal: 1.5 UR; 10S Terminal to shell: 2000VAC 5S	No breakdown or electric arcing
Insulation Resistance	$C_R \leq 0.33\mu F$ $R \geq 100000M\Omega$ $C_R > 0.33\mu F$ $RC \geq 30000S$	Charging voltage 100V 20℃; Testing time: 1 min later after charging
Dissipation Factor	≤ 0.0010 (1kHz)	20℃; Testing Voltage: 1V
Expected Lifetime	$\geq 100\ 000h @ U_N \theta_{hs} = 70^\circ C$	
Note: Products capacitance can be customized. Details specific parameters are according to Approval Sheet.		

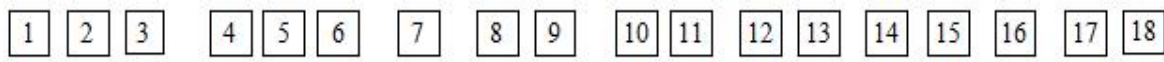
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Outline Drawing



C16 Part Number System

The 18-digit part number is formed as follow:



Digit 1 to 3	Series code: C16 = IGBT snubber capacitor (Axial-Type)								
Digit 4 to 6	Rated Capacitance Value: 104 = 10×10^4 pF = 0.1 μ F								
Digit 7	Capacitance Tolerance: J = $\pm 5\%$, K = $\pm 10\%$								
Digit 8 to 9	Rated Voltage: 2J=630Vdc, 2X=850Vdc, 3A=1000Vdc, 3M=1200Vdc, 3N=1500Vdc 3C=1600Vdc, 3R=1700Vdc, 3D=2000Vdc, 3E=2500Vdc, 3F=3000Vdc								
Digit 10 to 15	Axial Type Dimension <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Code</th> <th style="width: 20%;">Digit 10 to 11</th> <th style="width: 20%;">Digit 12 to 13</th> <th style="width: 40%;">Digit 14 to 15</th> </tr> </thead> <tbody> <tr> <td>Axial Circular</td> <td>Length</td> <td>Diameter</td> <td>No content is filled with 00</td> </tr> </tbody> </table>	Code	Digit 10 to 11	Digit 12 to 13	Digit 14 to 15	Axial Circular	Length	Diameter	No content is filled with 00
Code	Digit 10 to 11	Digit 12 to 13	Digit 14 to 15						
Axial Circular	Length	Diameter	No content is filled with 00						
Digit 16	Lead-Wire Diameter Code: 8=0.8, 1=1.0, 2=1.2								
Digit 17 to 18	Internal recognition code								

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

630Vdc / 700Vdc (420Vac)															
μF	Part number	Axial		Axial Flat			b ±0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.15	C16154J2J29****80=	29.0	10.5	29.0	8.0	14.0	-	0.8	950	143	11.0	3.7	-	-	14
0.22	C16224J2J29****80=	29.0	12.0	29.0	9.5	16.0	-	0.8	950	209	9.0	4.6	-	-	15
0.33	C16334J2J29****80=	29.0	14.0	29.0	12.0	18.0	-	0.8	950	314	7.0	6.0	-	-	15
0.47	C16474J2J29****10=	29.0	16.0	29.0	14.0	20.5	-	1.0	950	447	5.5	8.0	-	-	15
0.33	C16334J2J34****80=	34.0	12.5	34.0	10.0	16.5	-	0.8	700	231	7.5	5.8	-	-	17
0.47	C16474J2J34****80=	34.0	14.5	34.0	12.5	18.5	-	0.8	700	329	6.0	7.5	-	-	17
0.68	C16684J2J34****10=	34.0	17.0	34.0	15.0	21.5	-	1.0	700	476	5.0	9.0	-	-	17
1.0	C16105J2J34****10=	34.0	20.0	34.0	17.5	25.5	-	1.0	700	700	4.3	10.5	-	-	18
1.5	C16155J2J34****20=	34.0	24.0	34.0	22.0	30.0	-	1.2	700	1050	4.0	12.5	-	-	19
0.82	C16824J2J39****10=	39.0	16.5	39.0	14.5	21.0	-	1.0	600	492	5.5	8.0	-	-	19
1.0	C16105J2J39****10=	39.0	18.0	39.0	15.5	23.5	-	1.0	600	600	4.5	9.5	-	-	20
1.5	C16155J2J39****20=	39.0	21.5	39.0	19.5	27.0	-	1.2	600	900	4.3	12.0	-	-	20
2.0	C16205J2J39****20=	39.0	24.5	39.0	22.5	30.5	-	1.2	600	1200	4.0	14.0	-	-	21
2.2	C16225J2J39****20=	39.0	25.5	39.0	23.5	31.5	-	1.2	600	1320	4.0	14.0	-	-	22
2.5	C16255J2J39****20=	39.0	27.0	39.0	25.5	33.5	-	1.2	600	1500	4.0	14.0	3.5	16.7	22
3.0	C16305J2J39****20=	39.0	29.5	39.0	27.5	36.5	-	1.2	600	1800	4.0	14.0	3.5	19.1	24
3.3	C16335J2J39****20=	39.0	31.0	39.0	28.5	38.0	-	1.2	600	1980	4.0	14.0	3.5	20.5	24
1.0	C16105J2J44****10=	44.0	17.0	44.0	15.0	21.5	-	1.0	475	475	5.0	10.0	-	-	21
1.5	C16155J2J44****20=	44.0	20.5	44.0	18.0	26.0	-	1.2	475	713	4.5	12.0	-	-	21
2.0	C16205J2J44****20=	44.0	23.0	44.0	21.0	29.0	-	1.2	475	950	4.3	14.0	-	-	22
2.2	C16225J2J44****20=	44.0	24.0	44.0	22.0	30.0	-	1.2	475	1045	4.0	14.0	-	-	23
2.5	C16255J2J44****20=	44.0	25.5	44.0	23.5	31.5	-	1.2	475	1188	4.0	14.0	3.5	15.4	23
3.0	C16305J2J44****20=	44.0	27.5	44.0	25.5	35.0	-	1.2	475	1425	4.0	14.0	3.5	17.5	24
3.3	C16335J2J44****20=	44.0	29.0	44.0	26.5	36.0	-	1.2	475	1568	4.0	14.0	3.5	18.7	25
4.0	C16405J2J44****20=	44.0	31.5	44.0	30.0	39.0	-	1.2	475	1900	4.0	14.0	3.5	21.5	26
3.3	C16335J2J54****20=	54.0	25.5	54.0	24.0	32.0	-	1.2	350	1155	4.0	14.0	3.5	15.6	26
4.0	C16405J2J54****20=	54.0	28.0	54.0	25.5	35.0	-	1.2	350	1400	3.6	14.0	3.3	17.7	27
4.7	C16475J2J54****20=	54.0	30.0	54.0	28.0	37.5	-	1.2	350	1645	3.5	14.0	3.2	19.7	28
5.0	C16505J2J54****20=	54.0	31.0	54.0	29.0	38.5	-	1.2	350	1750	3.5	14.0	3.1	20.5	28
6.8	C16685J2J54****20=	54.0	36.0	54.0	33.5	44.5	-	1.2	350	2380	3.5	14.0	3.1	25.3	31
8.2	C16825J2J54****20=	54.0	39.0	54.0	37.0	48.0	-	1.2	350	2870	3.5	14.0	3.1	28.9	33
3.3	C16335J2J58****20=	58.0	24.5	58.0	22.5	30.5	-	1.2	300	990	4.5	14.0	4.0	15.5	27
4.0	C16405J2J58****20=	58.0	26.5	58.0	25.0	32.5	-	1.2	300	1200	4.0	14.0	3.5	16.4	28
4.7	C16475J2J58****20=	58.0	28.5	58.0	26.5	35.5	-	1.2	300	1410	3.8	14.0	3.4	18.1	29
5.0	C16505J2J58****20=	58.0	29.5	58.0	27.0	36.5	-	1.2	300	1500	3.6	14.0	3.3	18.9	29
6.8	C16685J2J58****20=	58.0	34.0	58.0	31.5	42.0	-	1.2	300	2040	3.5	14.0	3.1	23.2	31
8.2	C16825J2J58****20=	58.0	37.0	58.0	35.0	46.0	-	1.2	300	2460	3.5	14.0	3.1	26.3	33
10.0	C16106J2J58****20=	58.0	40.5	58.0	39.0	50.0	-	1.2	300	3000	3.5	14.0	3.1	28.0	34

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

850Vdc(450Vac)															
μF	Part number	Axial		Axial Flat			b ± 0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.10	C16104J2X29****80=	29.0	10.5	29.0	6.5	12.5	-	0.8	1200	120	13.0	3.6	-	-	14
0.15	C16154J2X29****80=	29.0	12.0	29.0	8.0	14.0	-	0.8	1200	180	10.0	4.5	-	-	14
0.22	C16224J2X29****80=	29.0	14.0	29.0	10.0	16.0	-	0.8	1200	264	7.5	5.8	-	-	15
0.33	C16334J2X29****10=	29.0	16.0	29.0	12.0	18.0	-	1.0	1200	396	6.0	7.5	-	-	15
0.15	C16154J2X34****80=	34.0	11.0	34.0	7.0	13.0	-	0.8	900	135	10.5	4.5	-	-	16
0.22	C16224J2X34****80=	34.0	12.5	34.0	8.5	14.5	-	0.8	900	198	8.0	5.0	-	-	16
0.33	C16334J2X34****80=	34.0	14.5	34.0	10.5	16.5	-	0.8	900	297	6.5	6.3	-	-	17
0.47	C16474J2X34****10=	34.0	17.0	34.0	12.0	20.0	-	1.0	900	423	5.5	7.8	-	-	17
0.68	C16684J2X34****10=	34.0	20.0	34.0	15.0	22.5	-	1.0	900	612	4.5	9.9	-	-	18
0.75	C16754J2X34****20=	34.0	20.5	34.0	16.0	23.5	-	1.2	900	675	4.3	11.0	-	-	19
1.0	C16105J2X34****20=	34.0	23.5	34.0	18.5	26.5	-	1.2	900	900	4.0	12.9	-	-	19
0.47	C16474J2X39****10=	39.0	15.5	39.0	11.5	17.5	-	1.0	750	353	6.0	7.5	-	-	19
0.68	C16684J2X39****10=	39.0	18.0	39.0	13.5	21.0	-	1.0	750	510	5.0	8.9	-	-	19
1.0	C16105J2X39****20=	39.0	21.5	39.0	16.5	24.0	-	1.2	750	750	4.5	11.5	-	-	20
1.5	C16155J2X39****20=	39.0	25.5	39.0	21.0	28.5	-	1.2	750	1125	4.0	14.0	-	-	22
2.0	C16205J2X39****20=	39.0	29.0	39.0	23.5	33.0	-	1.2	750	1500	4.0	14.0	3.5	18.6	23
2.2	C16225J2X39****20=	39.0	30.5	39.0	25.0	34.0	-	1.2	750	1650	4.0	14.0	3.5	20.0	24
2.5	C16255J2X39****20=	39.0	32.5	39.0	26.0	36.5	-	1.2	750	1875	4.0	14.0	3.5	22.0	25
0.68	C16684J2X44****10=	44.0	17.0	44.0	12.5	20.0	-	1.0	600	408	5.5	9.5	-	-	21
1.0	C16105J2X44****10=	44.0	20.0	44.0	15.5	23.0	-	1.0	600	600	4.5	11.5	-	-	22
1.5	C16155J2X44****20=	44.0	24.0	44.0	19.0	27.0	-	1.2	600	900	4.0	14.0	-	-	22
2.0	C16205J2X44****20=	44.0	27.5	44.0	22.0	31.0	-	1.2	600	1200	4.0	14.0	3.5	18.0	24
2.2	C16225J2X44****20=	44.0	28.5	44.0	23.0	32.0	-	1.2	600	1320	4.0	14.0	3.5	18.5	24
2.5	C16255J2X44****20=	44.0	30.5	44.0	24.5	34.0	-	1.2	600	1500	4.0	14.0	3.5	19.5	25
3.0	C16305J2X44****20=	44.0	33.0	44.0	26.5	37.5	-	1.2	600	1800	4.0	14.0	3.5	21.5	26
2.2	C16225J2X54****20=	54.0	25.5	54.0	20.5	28.0	-	1.2	460	1012	4.5	14.0	-	-	26
2.5	C16255J2X54****20=	54.0	27.0	54.0	21.0	30.5	-	1.2	460	1150	4.0	14.0	3.5	16.1	27
3.0	C16305J2X54****20=	54.0	29.5	54.0	23.5	33.0	-	1.2	460	1380	4.0	14.0	3.5	18.2	27
4.0	C16405J2X54****20=	54.0	33.5	54.0	27.0	38.0	-	1.2	460	1840	4.0	14.0	3.5	19.4	28
4.7	C16475J2X54****20=	54.0	36.0	54.0	29.5	40.5	-	1.2	460	2162	4.0	14.0	3.5	24.8	31
5.0	C16505J2X54****20=	54.0	37.0	54.0	30.5	41.5	-	1.2	460	2300	4.0	14.0	3.5	25.8	31
2.2	C16225J2X58****20=	58.0	24.0	58.0	19.5	27.0	-	1.2	375	825	4.3	14.0	-	-	27
2.5	C16255J2X58****20=	58.0	25.5	58.0	20.5	28.0	-	1.2	375	938	4.0	14.0	3.5	16.0	27
3.0	C16305J2X58****20=	58.0	27.5	58.0	22.0	31.5	-	1.2	375	1125	4.0	14.0	3.5	16.8	28
3.3	C16335J2X58****20=	58.0	29.0	58.0	23.5	32.5	-	1.2	375	1238	4.0	14.0	3.5	17.8	29
4.0	C16405J2X58****20=	58.0	31.5	58.0	25.0	36.0	-	1.2	375	1500	4.0	14.0	3.5	20.2	30
4.7	C16475J2X58****20=	58.0	34.0	58.0	27.5	38.5	-	1.2	375	1763	4.0	14.0	3.5	21.0	31
5.0	C16505J2X58****20=	58.0	35.0	58.0	28.5	39.5	-	1.2	375	1875	4.0	14.0	3.5	23.5	31
6.8	C16685J2X58****20=	58.0	40.5	58.0	34.0	44.5	-	1.2	375	2550	4.0	14.0	3.5	26.0	34

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

1000Vdc(500Vac)															
μF	Part number	Axial		Axial Flat			b ± 0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.068	C16683J3A29****80=	29.0	10.0	29.0	6.0	12.0	-	0.8	1400	95	16.5	3.5	-	-	14
0.10	C16104J3A29****80=	29.0	11.0	29.0	7.0	13.5	-	0.8	1400	140	12.0	4.3	-	-	14
0.15	C16154J3A29****80=	29.0	13.0	29.0	9.0	15.0	-	0.8	1400	210	9.5	5.6	-	-	15
0.22	C16224J3A29****80=	29.0	15.0	29.0	11.0	17.0	-	0.8	1400	308	7.0	6.8	-	-	16
0.15	C16154J3A34****80=	34.0	11.5	34.0	7.5	13.5	-	0.8	1050	158	10.0	5.0	-	-	16
0.22	C16224J3A34****80=	34.0	13.5	34.0	9.5	15.5	-	0.8	1050	231	7.5	7.0	-	-	17
0.33	C16334J3A34****10=	34.0	15.5	34.0	11.0	18.5	-	1.0	1050	347	6.0	8.5	-	-	17
0.47	C16474J3A34****10=	34.0	18.0	34.0	13.5	21.0	-	1.0	1050	494	5.0	10.0	-	-	18
0.68	C16684J3A34****20=	34.0	21.5	34.0	16.5	24.0	-	1.2	1050	714	4.0	12.1	-	-	18
0.33	C16334J3A39****80=	39.0	14.5	39.0	10.5	16.5	-	0.8	850	281	8.0	7.2	-	-	19
0.47	C16474J3A39****10=	39.0	17.0	39.0	12.5	20.0	-	1.0	850	400	5.5	8.8	-	-	19
0.68	C16684J3A39****10=	39.0	20.0	39.0	15.0	22.5	-	1.0	850	578	4.5	11.1	-	-	20
1.0	C16105J3A39****20=	39.0	23.5	39.0	18.5	26.5	-	1.2	850	850	4.0	14.0	-	-	21
1.5	C16155J3A39****20=	39.0	28.0	39.0	22.5	32.0	-	1.2	850	1275	4.0	14.0	3.5	18.1	23
0.47	C16474J3A44****10=	44.0	15.5	44.0	11.0	18.5	-	1.0	780	367	6.0	9.2	-	-	21
0.68	C16684J3A44****10=	44.0	18.5	44.0	13.5	21.0	-	1.0	780	530	5.0	10.1	-	-	21
1.0	C16105J3A44****20=	44.0	21.5	44.0	17.0	24.5	-	1.2	780	780	4.0	12.8	-	-	22
1.5	C16155J3A44****20=	44.0	26.0	44.0	20.5	29.5	-	1.2	780	1170	4.0	14.0	3.5	16.8	23
2.0	C16205J3A44****20=	44.0	29.5	44.0	23.0	34.0	-	1.2	780	1560	4.0	14.0	3.5	20.5	25
1.5	C16155J3A54****20=	54.0	23.0	54.0	18.5	26.0	-	1.2	500	750	4.5	14.0	-	-	25
2.0	C16205J3A54****20=	54.0	26.0	54.0	20.5	30.0	-	1.2	500	1000	4.3	14.0	3.8	16.0	26
2.2	C16225J3A54****20=	54.0	27.5	54.0	22.0	31.0	-	1.2	500	1100	4.0	14.0	3.5	16.7	27
2.5	C16255J3A54****20=	54.0	29.0	54.0	23.5	32.5	-	1.2	500	1250	4.0	14.0	3.5	18.1	27
3.0	C16305J3A54****20=	54.0	31.5	54.0	25.0	36.0	-	1.2	500	1500	4.0	14.0	3.5	20.5	28
3.3	C16335J3A54****20=	54.0	33.0	54.0	26.5	37.5	-	1.2	500	1650	4.0	14.0	3.5	21.0	29
4.0	C16405J3A54****20=	54.0	36.0	54.0	29.5	40.5	-	1.2	500	2000	4.0	14.0	3.5	23.0	31
1.5	C16155J3A58****20=	58.0	22.0	58.0	17.5	25.0	-	1.2	425	638	5.0	14.0	-	-	26
2.0	C16205J3A58****20=	58.0	25.0	58.0	19.5	29.0	-	1.2	425	850	4.5	14.0	4.0	15.0	27
2.2	C16225J3A58****20=	58.0	26.0	58.0	20.5	30.0	-	1.2	425	935	4.0	14.0	3.5	15.7	28
2.5	C16255J3A58****20=	58.0	27.5	58.0	22.0	31.5	-	1.2	425	1063	4.0	14.0	3.5	17.0	28
3.0	C16305J3A58****20=	58.0	30.0	58.0	23.5	34.5	-	1.2	425	1275	4.0	14.0	3.5	19.2	29
3.3	C16335J3A58****20=	58.0	31.5	58.0	25.0	36.0	-	1.2	425	1403	4.0	14.0	3.5	20.4	30
4.0	C16405J3A58****20=	58.0	34.5	58.0	28.0	39.0	-	1.2	425	1700	4.0	14.0	3.5	21.0	31
4.7	C16475J3A58****20=	58.0	37.0	58.0	30.5	41.5	-	1.2	425	1998	4.0	14.0	3.5	22.0	32

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

1200Vdc (600Vac)															
μF	Part number	Axial		Axial Flat			b ± 0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.047	C16473J3M29****80=	29.0	10.0	29.0	7.0	13.5	-	0.8	1600	75	20.0	3.4	-	-	15
0.068	C16683J3M29****80=	29.0	11.0	29.0	8.5	15.0	-	0.8	1600	109	15.5	4.2	-	-	15
0.10	C16104J3M29****80=	29.0	13.0	29.0	10.5	17.0	-	0.8	1600	160	12.0	5.2	-	-	15
0.15	C16154J3M29****80=	29.0	15.0	29.0	13.0	19.0	-	0.8	1600	240	9.2	6.6	-	-	16
0.22	C16224J3M29****10=	29.0	17.5	29.0	15.0	23.0	-	1.0	1600	352	7.0	8.5	-	-	16
0.10	C16104J3M34****80=	34.0	11.5	34.0	9.0	15.5	-	0.8	1350	135	13.5	5.5	-	-	17
0.15	C16154J3M34****80=	34.0	13.5	34.0	11.0	17.5	-	0.8	1350	203	10.0	6.5	-	-	17
0.22	C16224J3M34****80=	34.0	15.5	34.0	13.5	20.0	-	0.8	1350	297	6.8	9.0	-	-	18
0.33	C16334J3M34****10=	34.0	18.5	34.0	16.0	24.0	-	1.0	1350	446	5.5	9.4	-	-	18
0.47	C16474J3M34****20=	34.0	21.5	34.0	19.5	27.0	-	1.2	1350	635	4.0	11.9	-	-	18
0.22	C16224J3M39****80=	39.0	13.5	39.0	11.5	18.0	-	0.8	1050	231	8.5	6.5	-	-	19
0.33	C16334J3M39****10=	39.0	16.0	39.0	13.5	21.5	-	1.0	1050	347	6.5	7.7	-	-	19
0.47	C16474J3M39****10=	39.0	19.0	39.0	16.5	24.5	-	1.0	1050	494	5.0	10.5	-	-	19
0.68	C16684J3M39****20=	39.0	22.0	39.0	20.0	28.0	-	1.2	1050	714	4.5	12.1	-	-	20
1.0	C16105J3M39****20=	39.0	26.5	39.0	24.0	33.5	-	1.2	1050	1050	4.0	14.0	3.5	15.5	22
1.2	C16125J3M39****20=	39.0	28.5	39.0	25.5	36.5	-	1.2	1050	1260	4.0	14.0	3.2	16.5	23
0.33	C16334J3M44****80=	44.0	15.0	44.0	13.0	19.5	-	0.8	1000	330	6.7	9.0	-	-	21
0.47	C16474J3M44****10=	44.0	17.5	44.0	15.0	23.0	-	1.0	1000	470	5.5	9.8	-	-	21
0.68	C16684J3M44****20=	44.0	20.5	44.0	18.0	26.0	-	1.2	1000	680	5.0	11.7	-	-	21
1.0	C16105J3M44****20=	44.0	24.5	44.0	21.5	31.0	-	1.2	1000	1000	4.5	14.0	-	-	22
1.2	C16125J3M44****20=	44.0	26.5	44.0	24.0	33.5	-	1.2	1000	1200	4.0	14.0	3.5	15.9	23
1.5	C16155J3M44****20=	44.0	29.0	44.0	26.0	37.0	-	1.2	1000	1500	4.0	14.0	3.5	18.6	25
1.5	C16155J3M54****20=	54.0	26.0	54.0	23.5	33.0	-	1.2	700	1050	4.5	14.0	4.0	15.8	27
2.0	C16205J3M54****20=	54.0	30.0	54.0	27.0	38.0	-	1.2	700	1400	4.0	14.0	3.5	18.0	28
2.2	C16225J3M54****20=	54.0	31.0	54.0	28.5	39.5	-	1.2	700	1540	4.0	14.0	3.5	19.0	29
2.5	C16255J3M54****20=	54.0	33.0	54.0	29.5	42.5	-	1.2	700	1750	4.0	14.0	3.5	20.0	30
3.0	C16305J3M54****20=	54.0	36.0	54.0	32.0	46.5	-	1.2	700	2100	4.0	14.0	3.5	21.0	31
3.3	C16335J3M54****20=	54.0	37.5	54.0	34.0	48.0	-	1.2	700	2310	4.0	14.0	3.5	21.0	32
1.5	C16155J3M58****20=	58.0	24.5	58.0	21.5	31.0	-	1.2	600	900	5.0	14.0	4.5	14.8	28
2.0	C16205J3M58****20=	58.0	27.5	58.0	25.5	35.0	-	1.2	600	1200	4.5	14.0	4.0	17.5	29
2.2	C16225J3M58****20=	58.0	29.0	58.0	26.0	37.0	-	1.2	600	1320	4.0	14.0	3.5	18.0	29
2.5	C16255J3M58****20=	58.0	30.5	58.0	28.0	39.0	-	1.2	600	1500	4.0	14.0	3.5	19.0	30
3.0	C16305J3M58****20=	58.0	33.5	58.0	30.0	42.5	-	1.2	600	1800	4.0	14.0	3.5	20.0	31
3.3	C16335J3M58****20=	58.0	35.0	58.0	31.5	44.5	-	1.2	600	1980	4.0	14.0	3.5	21.0	32
4.0	C16405J3M58****20=	58.0	38.5	58.0	34.5	48.5	-	1.2	600	2400	4.0	14.0	3.5	22.0	33

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

1500Vdc (650Vac)															
μF	Part number	Axial		Axial Flat			b ± 0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.033	C16333J3N29****80=	29.0	10.5	29.0	6.5	29.0	-	0.8	2300	76	28.0	3.3	-	-	15
0.047	C16473J3N29****80=	29.0	12.0	29.0	8.0	14.0	-	0.8	2300	108	21.1	4.2	-	-	15
0.068	C16683J3N29****80=	29.0	13.5	29.0	9.5	15.5	-	0.8	2300	156	15.0	5.5	-	-	16
0.10	C16104J3N29****80=	29.0	16.0	29.0	12.0	18.0	-	0.8	2300	230	10.4	7.2	-	-	16
0.068	C16683J3N34****80=	34.0	12.5	34.0	8.5	14.5	-	0.8	1750	119	16.0	4.1	-	-	17
0.10	C16104J3N34****80=	34.0	14.0	34.0	10.0	16.5	-	0.8	1750	175	12.0	5.8	-	-	17
0.15	C16154J3N34****10=	34.0	16.5	34.0	12.0	19.5	-	1.0	1750	263	8.5	6.5	-	-	17
0.22	C16224J3N34****10=	34.0	19.5	34.0	15.0	22.5	-	1.0	1750	385	6.7	8.4	-	-	19
0.33	C16334J3N34****20=	34.0	23.5	34.0	18.5	26.5	-	1.2	1750	578	4.5	11.1	-	-	19
0.10	C16104J3N39****80=	39.0	13.0	39.0	9.0	15.0	-	0.8	1450	145	10.0	6.0	-	-	19
0.22	C16224J3N39****10=	39.0	18.0	39.0	13.0	20.5	-	1.0	1450	319	7.5	8.0	-	-	19
0.33	C16334J3N39****20=	39.0	21.5	39.0	16.5	24.0	-	1.2	1450	479	6.3	10.4	-	-	20
0.47	C16474J3N39****20=	39.0	25.0	39.0	20.0	28.0	-	1.2	1450	682	5.0	12.5	-	-	21
0.68	C16684J3N39****20=	39.0	29.5	39.0	24.0	33.0	-	1.2	1450	986	4.3	13.0	-	-	23
0.22	C16224J3N44****10=	44.0	16.5	44.0	12.0	19.5	-	1.0	1200	264	8.5	8.0	-	-	21
0.33	C16334J3N44****10=	44.0	16.5	44.0	15.0	22.5	-	1.0	1200	396	6.5	10.2	-	-	22
0.47	C16474J3N44****20=	44.0	23.0	44.0	18.0	26.0	-	1.2	1200	564	5.2	12.7	-	-	22
0.68	C16684J3N44****20=	44.0	27.0	44.0	21.5	30.5	-	1.2	1200	816	4.5	14.0	4.0	16.3	24
1.0	C16105J3N44****20=	44.0	32.0	44.0	26.0	36.5	-	1.2	1200	1200	4.0	14.0	3.5	17.0	26
1.0	C16105J3N54****20=	54.0	28.0	54.0	22.0	31.5	-	1.2	850	850	4.5	14.0	4.0	16.5	28
1.2	C16125J3N54****20=	54.0	30.0	54.0	24.5	34.0	-	1.2	850	1020	4.3	14.0	3.8	17.5	29
1.5	C16155J3N54****20=	54.0	33.5	54.0	27.0	38.0	-	1.2	850	1275	4.0	14.0	3.5	19.0	30
2.0	C16205J3N54****20=	54.0	38.0	54.0	31.0	43.5	-	1.2	850	1700	4.0	14.0	3.5	20.5	33
2.2	C16225J3N54****20=	54.0	40.0	54.0	32.0	46.0	-	1.2	850	1870	4.0	14.0	3.5	21.5	34
1.0	C16105J3N58****20=	58.0	26.5	58.0	21.0	30.0	-	1.2	750	750	5.0	14.0	4.5	16.0	28
1.2	C16125J3N58****20=	58.0	29.0	58.0	23.0	32.5	-	1.2	750	900	4.5	14.0	4.0	17.0	29
1.5	C16155J3N58****20=	58.0	32.0	58.0	25.5	36.0	-	1.2	750	1125	4.3	14.0	3.8	18.0	30
2.0	C16205J3N58****20=	58.0	36.5	58.0	30.0	40.5	-	1.2	750	1500	4.0	14.0	3.5	19.0	32
2.2	C16225J3N58****20=	58.0	38.0	58.0	31.0	43.0	-	1.2	750	1650	4.0	14.0	3.5	20.0	33
2.5	C16255J3N58****20=	58.0	40.5	58.0	32.5	46.5	-	1.2	750	1875	4.0	14.0	3.5	21.0	34

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

2000Vdc (700Vac)															
μF	Part number	Axial		Axial Flat			b ± 0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.033	C16333J3C29****80=	29.0	11.0	29.0	7.0	13.0	-	0.8	2500	83	25.6	4.1	-	-	15
0.047	C16473J3C29****80=	29.0	12.5	29.0	8.5	14.5	-	0.8	2500	118	18.5	5.8	-	-	15
0.068	C16683J3C29****80=	29.0	14.5	29.0	10.5	16.5	-	0.8	2500	170	13.2	6.1	-	-	16
0.10	C16104J3C29****10=	29.0	17.0	29.0	12.0	20.0	-	1.0	2500	250	9.2	7.8	-	-	16
0.068	C16683J3C34****80=	34.0	13.0	34.0	9.0	15.0	-	0.8	1900	129	17.9	5.3	-	-	17
0.10	C16104J3C34****10=	34.0	15.0	34.0	10.5	18.0	-	1.0	1900	190	12.5	7.5	-	-	17
0.15	C16154J3C34****10=	34.0	18.0	34.0	13.0	21.0	-	1.0	1900	285	8.5	8.6	-	-	18
0.22	C16224J3C34****20=	34.0	21.0	34.0	16.0	24.0	-	1.2	1900	418	6.0	10.0	-	-	18
0.33	C16334J3C34****20=	34.0	25.0	34.0	19.0	29.5	-	1.2	1900	624	5.5	12.5	-	-	20
0.10	C16104J3C39****80=	39.0	14.0	39.0	10.0	16.0	-	0.8	1650	165	16.1	6.2	-	-	19
0.22	C16224J3C39****10=	39.0	19.0	39.0	14.5	22.0	-	1.0	1650	363	7.6	9.5	-	-	20
0.33	C16334J3C39****20=	39.0	22.5	39.0	18.0	25.5	-	1.2	1650	545	5.2	12.4	-	-	20
0.47	C16474J3C39****20=	39.0	26.5	39.0	21.0	30.5	-	1.2	1650	776	4.5	14.0	-	-	22
0.68	C16684J3C39****20=	39.0	31.5	39.0	25.0	36.0	-	1.2	1650	1122	4.0	14.0	3.5	17.3	24
0.22	C16224J3C44****10=	44.0	17.5	44.0	13.0	20.5	-	1.0	1400	308	9.5	8.6	-	-	21
0.33	C16334J3C44****20=	44.0	21.0	44.0	16.0	24.0	-	1.2	1400	462	6.5	11.0	-	-	21
0.47	C16474J3C44****20=	44.0	24.5	44.0	19.5	27.5	-	1.2	1400	658	5.0	13.2	-	-	22
0.68	C16684J3C44****20=	44.0	29.0	44.0	23.5	32.5	-	1.2	1400	952	4.5	14.0	4.0	16.0	24
1.0	C16105J3C44****20=	44.0	34.5	44.0	24.5	43.0	-	1.2	1400	1400	4.0	14.0	3.5	18.0	27
1.5	C16155J3C44****20=	44.0	42.0	44.0	31.5	49.5	-	1.2	1400	2100	4.0	14.0	3.5	21.0	31
1.0	C16105J3C54****20=	54.0	30.0	54.0	24.0	33.5	-	1.2	1000	1000	4.5	14.0	4.0	16.5	28
1.2	C16125J3C54****20=	54.0	32.5	54.0	26.0	36.5	-	1.2	1000	1200	4.3	14.0	3.8	18.0	30
1.5	C16155J3C54****20=	54.0	36.0	54.0	28.5	41.0	-	1.2	1000	1500	4.0	14.0	3.5	20.0	31
2.0	C16205J3C54****20=	54.0	41.0	54.0	33.0	47.0	-	1.2	1000	2000	4.0	14.0	3.5	21.5	34
2.2	C16225J3C54****20=	54.0	43.0	54.0	35.0	49.0	-	1.2	1000	2200	4.0	14.0	3.5	22.5	35
1.0	C16105J3C58****20=	58.0	28.5	58.0	23.0	32.0	-	1.2	780	780	5.0	14.0	4.5	16.5	29
1.2	C16125J3C58****20=	58.0	31.0	58.0	23.0	37.0	-	1.2	780	936	4.5	14.0	4.0	17.0	30
1.5	C16155J3C58****20=	58.0	34.0	58.0	25.5	41.0	-	1.2	780	1170	4.2	14.0	3.7	19.0	31
2.0	C16205J3C58****20=	58.0	39.0	58.0	29.5	46.5	-	1.2	780	1560	4.0	14.0	3.6	21.0	34

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

2500Vdc (725Vac)															
μF	Part number	Axial		Axial Flat			b ± 0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.01	C16103J3E29****80=	29.0	10.0	29.0	6.0	12.0	-	0.8	3900	117	53.5	2.3	-	-	15
0.015	C16153J3E29****80=	29.0	11.0	29.0	7.0	13.5	-	0.8	3900	176	37.6	2.9	-	-	15
0.022	C16223J3E29****80=	29.0	12.5	29.0	8.5	15.0	-	0.8	3900	257	26.7	3.5	-	-	15
0.033	C16333J3E29****80=	29.0	15.0	29.0	11.0	17.0	-	0.8	3900	386	18.4	4.8	-	-	16
0.033	C16333J3E34****80=	34.0	13.5	34.0	9.5	15.5	-	0.8	2600	257	25.4	3.9	-	-	17
0.047	C16473J3E34****10=	34.0	15.0	34.0	11.0	17.5	-	1.0	2600	367	18.3	5.3	-	-	17
0.068	C16683J3E34****10=	34.0	17.5	34.0	13.0	20.5	-	1.0	2600	530	13.0	7.0	-	-	18
0.10	C16104J3E34****20=	34.0	20.5	34.0	16.0	23.5	-	1.2	2600	780	9.0	8.6	-	-	18
0.15	C16154J3E34****20=	34.0	24.5	34.0	20.0	27.5	-	1.2	2600	1170	6.1	10.5	-	-	20
0.082	C16823J3E39****10=	39.0	17.5	39.0	12.5	20.5	-	1.0	2100	517	14.2	5.1	-	-	19
0.10	C16104J3E39****10=	39.0	19.0	39.0	14.0	22.0	-	1.0	2100	630	11.7	7.1	-	-	20
0.15	C16154J3E39****20=	39.0	22.5	39.0	17.5	25.5	-	1.2	2100	945	8.0	7.5	-	-	20
0.22	C16224J3E39****20=	39.0	26.5	39.0	21.0	30.0	-	1.2	2100	1386	5.6	11.0	-	-	22
0.33	C16334J3E39****20=	39.0	32.0	39.0	25.5	36.0	-	1.2	2100	2079	4.0	14.0	-	-	25
0.47	C16474J3E39****20=	39.0	37.5	39.0	30.0	42.5	-	1.2	2100	2961	4.0	14.0	3.5	16.0	28
0.10	C16104J3E44****10=	44.0	17.5	44.0	13.0	20.5	-	1.0	1950	585	14.9	6.8	-	-	21
0.15	C16154J3E44****20=	44.0	20.5	44.0	16.0	23.5	-	1.2	1950	878	10.1	9.2	-	-	21
0.22	C16224J3E44****20=	44.0	24.5	44.0	19.5	27.0	-	1.2	1950	1287	7.0	10.4	-	-	22
0.33	C16334J3E44****20=	44.0	29.0	44.0	23.5	33.0	-	1.2	1950	1931	4.8	14.0	-	-	25
0.47	C16474J3E44****20=	44.0	34.5	44.0	28.0	38.5	-	1.2	1950	2750	4.0	14.0	3.5	17.0	27
0.68	C16684J3E44****20=	44.0	40.5	44.0	32.5	46.5	-	1.2	1950	3978	4.0	14.0	3.5	17.5	31
0.33	C16334J3E54****20=	54.0	25.0	54.0	20.5	28.0	-	1.2	1450	1436	6.9	11.7	-	-	27
0.47	C16474J3E54****20=	54.0	29.5	54.0	24.0	33.0	-	1.2	1450	2045	4.9	14.0	4.4	16.8	28
0.68	C16684J3E54****20=	54.0	35.0	54.0	28.5	39.5	-	1.2	1450	2958	4.0	14.0	3.5	17.0	31
0.82	C16824J3E54****20=	54.0	38.0	54.0	31.0	43.0	-	1.2	1450	3567	4.0	14.0	3.5	17.5	33
0.33	C16334J3E58****20=	58.0	24.0	58.0	19.5	27.0	-	1.2	925	916	8.5	10.6	-	-	27
0.47	C16474J3E58****20=	58.0	28.0	58.0	22.5	32.0	-	1.2	925	1304	6.0	13.2	-	-	29
0.68	C16684J3E58****20=	58.0	33.5	58.0	27.0	37.5	-	1.2	925	1887	4.2	14.0	3.7	16.5	31
0.82	C16824J3E58****20=	58.0	36.5	58.0	30.0	40.5	-	1.2	925	2276	4.0	14.0	3.5	17.0	32
1.0	C16105J3E58****20=	58.0	40.0	58.0	31.5	45.5	-	1.2	925	2775	4.0	14.0	3.5	18.0	34

Snubber capacitor for IGBT(Axial-Type)

■ Technical data

3000Vdc (750Vac)															
μF	Part number	Axial		Axial Flat			b ± 0.5	d ±0.05	dv/dt (V/us)	Ī (A)	2pins		4pins		Ls (nH)
		L max	D max	L max	T max	H max					ESR(mΩ) @100KHZ	I _{max} (A)	ESR(mΩ) @100KHZ	I _{max} (A)	
0.0068	C16682J3F29****80=	29.0	10.0	29.0	6.0	12.5	-	0.8	4800	33	65.1	2.0	-	-	15
0.010	C16103J3F29****80=	29.0	11.0	29.0	7.0	13.5	-	0.8	4800	48	46.7	2.5	-	-	15
0.015	C16153J3F29****80=	29.0	13.0	29.0	9.0	15.0	-	0.8	4800	72	32.6	3.1	-	-	15
0.010	C16103J3F34****80=	34.0	10.5	34.0	6.5	12.5	-	0.8	3500	35	64.7	2.2	-	-	17
0.015	C16153J3F34****80=	34.0	12.0	34.0	8.0	14.0	-	0.8	3500	53	45.3	2.7	-	-	17
0.022	C16223J3F34****80=	34.0	13.5	34.0	9.5	15.5	-	0.8	3500	77	32.0	3.3	-	-	17
0.033	C16333J3F34****10=	34.0	15.5	34.0	11.5	17.5	-	1.0	3500	116	22.1	4.1	-	-	17
0.047	C16473J3F34****10=	34.0	18.0	34.0	13.0	20.5	-	1.0	3500	165	15.8	5.5	-	-	18
0.068	C16683J3F34****20=	34.0	20.5	34.0	16.0	23.5	-	1.2	3500	238	11.2	7.3	-	-	18
0.047	C16473J3F39****10=	39.0	16.5	39.0	11.5	19.5	-	1.0	2500	118	20.8	4.5	-	-	19
0.068	C16683J3F39****10=	39.0	19.0	39.0	14.0	21.5	-	1.0	2500	170	14.7	6.0	-	-	20
0.10	C16104J3F39****20=	39.0	22.0	39.0	17.5	25.0	-	1.2	2500	250	10.2	7.5	-	-	20
0.15	C16154J3F39****20=	39.0	26.5	39.0	21.0	30.0	-	1.2	2500	375	7.0	9.3	-	-	22
0.22	C16224J3F39****20=	39.0	31.5	39.0	25.0	36.0	-	1.2	2500	550	4.9	12.3	-	-	24
0.047	C16473J3F44****10=	44.0	15.0	44.0	10.5	18.0	-	1.0	2100	99	26.7	5.1	-	-	20
0.068	C16683J3F44****10=	44.0	17.5	44.0	13.0	20.5	-	1.0	2100	143	18.8	6.3	-	-	21
0.10	C16104J3F44****20=	44.0	17.5	44.0	16.0	23.5	-	1.2	2100	210	13.1	7.9	-	-	21
0.15	C16154J3F44****20=	44.0	20.5	44.0	19.5	27.0	-	1.2	2100	315	8.9	10.2	-	-	22
0.22	C16224J3F44****20=	44.0	29.0	44.0	23.0	32.5	-	1.2	2100	462	6.1	13.2	-	-	24
0.22	C16224J3F54****20=	54.0	25.0	54.0	20.0	28.0	-	1.2	1650	363	9.0	11.0	-	-	26
0.33	C16334J3F54****20=	54.0	30.0	54.0	24.5	33.5	-	1.2	1650	545	6.1	14.0	5.6	16.5	28
0.47	C16474J3F54****20=	54.0	35.0	54.0	28.0	40.5	-	1.2	1650	776	4.4	14.0	4.0	17.5	31
0.22	C16224J3F58****20=	58.0	24.0	58.0	19.0	26.5	-	1.2	1275	281	11.1	11.0	-	-	27
0.33	C16334J3F58****20=	58.0	28.5	58.0	23.0	32.0	-	1.2	1275	421	7.5	14.0	-	-	29
0.47	C16474J3F58****20=	58.0	33.5	58.0	27.0	38.0	-	1.2	1275	599	5.4	14.0	5.0	16.0	31
0.56	C16564J3F58****20=	58.0	36.0	58.0	29.0	41.5	-	1.2	1275	714	4.5	14.0	4.0	17.0	32
0.68	C16684J3F58****20=	58.0	37.5	58.0	30.0	42.5	-	1.2	1275	765	4.3	14.0	3.8	18.0	33

Note:

1. “****”Circular Type, The first 2 digits are 00, and the last 2 digits represent the diameter;
Flat Type: The first 2 digits represent the thickness, and the last 2 digits represent the height
2. “=” indicates the lead status code. 0=2pins, 1=2pins b=10.0mm, 2=4pins b=12.7mm.
3. “I_{max}” test conditions: the effective value of the ambient temperature is 70°C, the frequency is 100KHz, and the shell temperature reaches 85°C.
4. “ESR”and “Ls” are both typical value test data.
5. “Ī”: indicates for maximum pulse current.