

C35

GTO Snubber Protection Capacitor

GTO缓冲吸收电容器

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产品特点.Characteristics

- 圆塑管、迈拉胶带封装, 环氧树脂灌注;
 - 镀锡铜螺母、铜片引出;
 - 耐压高, 损耗(tgδ)小, 温升低;
 - 自感(ESL)小, 等效串联电阻(ESR)小;
 - 高脉冲电流、高dv/dt 承受能力、高稳定、具有自愈性。
- Round plastic pipe, PET tape wrapping, epoxy resin perfusion
 - Tin plated copper nut or copper sheet leads.
 - High voltage, small tgδ, low temperature rise
 - Low ESL, low ESR
 - High pulse current , high dV/dt, high stability, self healing

产品应用.Application

- GTO中突波的吸收
 - 高纹波电流直流滤波应用
 - 高压脉冲、高频应用
- Damping of voltage spikes on GTO burst
 - High ripple current D.C. filtering
 - For high voltage pulse and high frequency application

性能参数.Technical Data	
● 引用标准Reference Standard	IEC61071 .GB/T17702
● 工作温度范围Operating Temperature Range	-40℃~+70℃(Max. +85℃) Tmax +85℃
● 容量范围Capacitance Range	0.33μF ~6.0μF
● 额定电压Rated Voltage	3000VDC~20000VDC
● 容量偏差Capacitance Tolerance	±5%(J); ±10%(K)
● 耐电压Withstand Voltage	1.5Un DC/10S
● 损耗角正切Dissipation Factor	tgδ≤0.0005 C≤1μF f=10KHz at 20℃
	tgδ≤0.0010 C≥1μF f=10KHz at 20℃
● 绝缘电阻Insulation Resistance	C≤0.33μF Rs≥30000MΩ(at20℃ 100VDC 60S)
	C>0.33 μF RsC≥10000S (at20℃ 100VDC 60S)
● 阻燃性Flame Retardation	UL94V-0
● 预期寿命Life Expectancy	100000hrs (Un θhotspot ≤ 70℃)

结构图.Construction Diagram

双面金属化聚酯薄膜
Double-sided metallized polyester film

金属化聚丙烯薄膜
Metallized polypropylene film

喷金层
End spray

聚丙烯薄膜
Polypropylene film

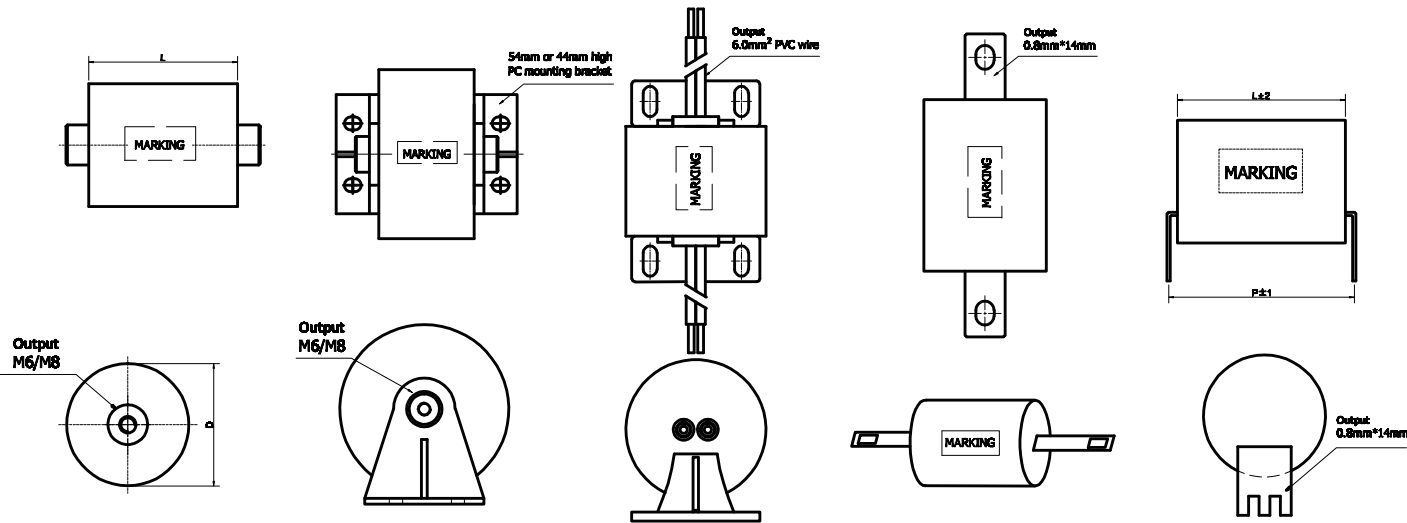
典型线路图.Typical Circuit

C1为GTO吸收电容器
C1 is GTO absorption capacitor

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产品外形.Product Shape



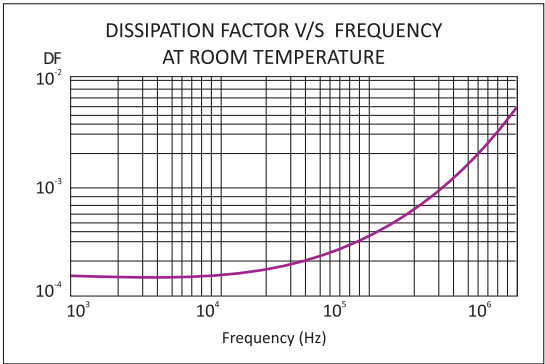
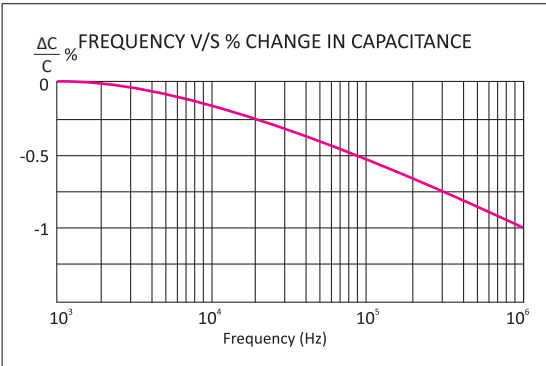
产品编码.Product Coding

01	02	03	04	05	06	07	08	09	10	11	12	13		14	15	16	
C	3	5	X	X	N	X	X	N						-			
产品型号 Product model			额定电压 Rated voltage XX*10 ⁿ (V)			标称容量 Nominal capacity XX*10 ⁿ (pF)			引出电极 Extraction electrode P-焊片 P - Soldering lug F-螺母 F - Nut W-UL线 W - UL Wire R-3C线 R - 3C Wire			引线型号 Lead wire type 引线为焊片时, 空缺此栏 Leads are soldering lugs, the column is vacant			序列号 Serial number 01、02 ...		
									容量偏差 Capacity deviation J ±5% K ±10%		引线形式 Leads form G01、H01、I01、J01、K01、W01						

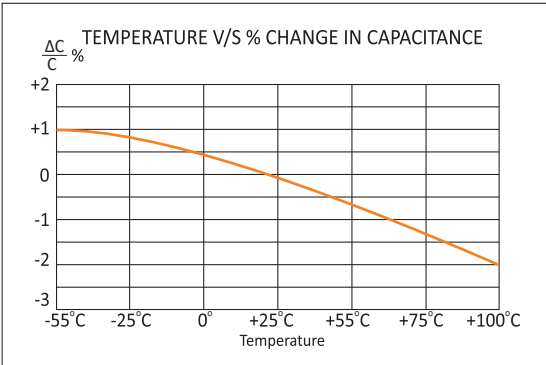
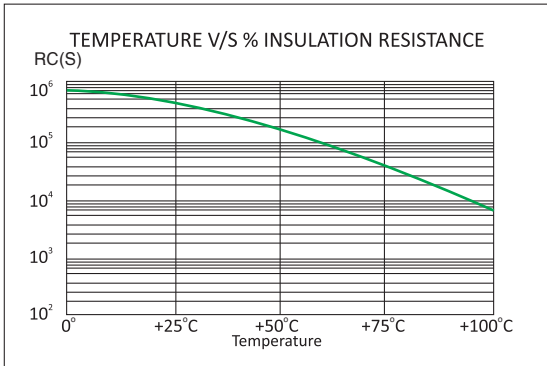
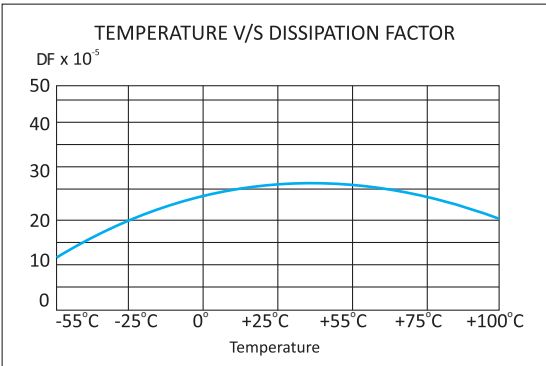
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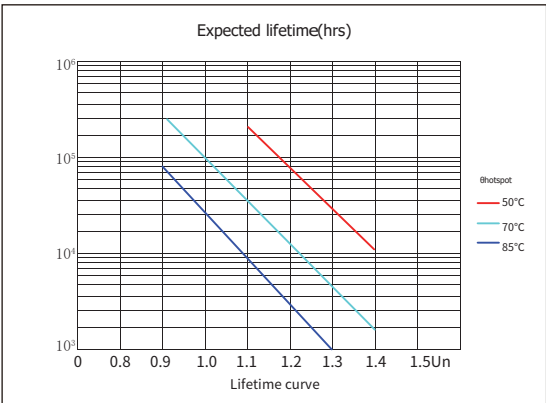
频率特性.Temperature Characteristics



温度特性.Frequency Characteristics



预期寿命 Life Expectancy



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参数表,Article Table

Part Number	CAP μF	Dimension (mm)		dV/dt (V/μs)	Ipeak (A)	Irms @10KHz70℃ (A)	ESL (nH)	ESR @100KHz20℃ (mΩ)	Output
		L	D						
UN 3000VDC/1200VAC									
C35302224J.....	0.22	44	35	1100	242	30	25	6.5	M6
C35302334J.....	0.33	44	43	1000	330	35	25	5.0	M6
C35302474J.....	0.47	44	51	850	399	45	22	4.5	M6
C35302684J.....	0.68	44	61	800	544	55	22	4.0	M6
C35302105J.....	1.0	44	74	700	700	65	20	3.2	M8
C35302125J.....	1.2	44	80	650	780	75	20	3.0	M8
C35302155J.....	1.5	70	52	600	900	45	30	5.0	M6
C35302205J.....	2.0	70	60	500	1000	55	30	4.5	M6
C35302305J.....	3.0	70	73	400	1200	65	30	3.5	M8
C35302405J.....	4.0	70	83	350	1400	70	30	3.0	M8
UN 4000VDC/1600VAC									
C35402504J.....	0.5	60	36	800	400	40	40	2.8	M6
C35402684J.....	0.68	60	41	800	544	45	37	2.5	M6
C35402105J.....	1.0	60	50	750	750	55	35	2.3	M6
C35402155J.....	1.5	60	60	750	1125	70	33	2.0	M6
C35402205J.....	2.0	60	69	700	1400	80	32	1.7	M8
C35402255J.....	2.5	60	76	650	1625	90	30	1.6	M8
C35402305J.....	3.0	60	84	650	1950	100	28	1.5	M8
C35402305J.....	3.0	110	60	550	1650	75	38	2.0	M6
C35402405J.....	4.0	60	96	600	2400	120	25	1.3	M8
C35402405J.....	4.0	110	69	500	2000	85	35	1.8	M8
UN 5000VDC/2000VAC									
C35502504J.....	0.5	60	44	1000	500	45	25	2.2	M6
C35502684J.....	0.68	60	51	1000	680	50	23	1.8	M6
C35502754J.....	0.75	60	53	1000	750	55	23	1.6	M6
C35502105J.....	1.0	60	61	900	900	60	22	1.3	M6
C35502135J.....	1.3	60	68	850	1105	70	21	1.1	M8
C35502155J.....	1.5	60	74	850	1275	75	21	0.9	M8
C35502205J.....	2.0	60	85	800	1600	85	20	0.8	M8
C35502255J.....	2.5	110	68	600	1500	75	28	1.5	M8
C35502305J.....	3.0	110	74	600	1800	85	27	1.3	M8
UN 6000VDC/2400VAC									
C35602224J.....	0.22	60	43	1500	330	35	25	2.2	M6
C35602334J.....	0.33	60	52	1200	396	45	25	2.1	M6
C35602474J.....	0.47	60	62	1000	470	50	25	1.9	M6
C35602684J.....	0.68	60	74	900	612	60	22	1.7	M8
C35602105J.....	1.0	60	90	800	800	75	22	1.6	M8

以上表格/图形仅供参考,以实物为准, (单位:mm)
The above table / graphics are for reference only, subject to the actual product (unit: mm)

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参数表.Article Table

Part Number	CAP μF	Dimension (mm)		dv/dt (V/μs)	Ipeak (A)	Irms @100KHz70℃ (A)	ESL (nH)	ESR @100KHz20℃ (mΩ)	Output
		L	D						
U _N 8000VDC/3200VAC									
C35802334J●●●●●	0.33	90	35	1100	363	25	30	6.2	M6
C35802474J●●●●●	0.47	90	41	1000	470	30	28	5.7	M6
C35802684J●●●●●	0.68	90	49	850	578	35	28	4.9	M6
C35802105J●●●●●	1.0	90	60	800	800	40	25	4.3	M6
C35802155J●●●●●	1.5	90	72	700	1050	45	25	3.7	M8
C35802205J●●●●●	2.0	90	83	650	1300	50	25	3.3	M8
U _N 10000VDC/4000VAC									
C35103334J●●●●●	0.33	114	45	1500	495	30	35	8.7	M6
C35103474J●●●●●	0.47	114	54	1300	611	35	35	7.8	M6
C35103684J●●●●●	0.68	114	65	1200	816	40	35	6.6	M6
C35103105J●●●●●	1.0	114	78	1000	1000	55	30	5.6	M8
C35103155J●●●●●	1.5	114	95	800	1200	70	30	4.5	M8
U _N 20000VDC/8000VAC									
C35203103J●●●●●	0.01	138	40	2000	20	1.0	60	80	1.2

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备注:最大电流Irms为f=100kHz,Tamb=70℃ △T≤15℃的值。
Note:Maximum Irms current at 100kHz, Tamb=70℃ △T≤15℃.