



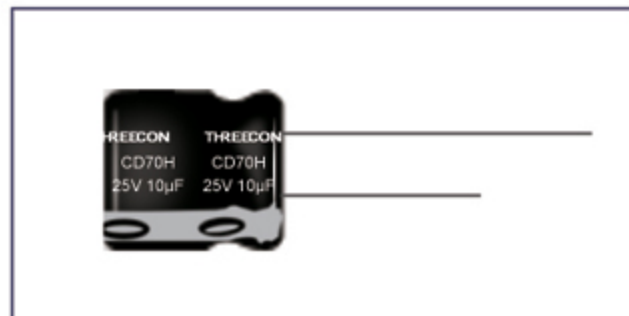
QG 系列  
Ratings for QG Series

105°C 1000小时

• 7mm产品

1000h at 105°C

• 7mm Products



项目 Item	特性 Characteristics																					
使用温度范围(°C) Operating Temperature Range	-55~+105																					
额定电压范围(V) Voltage Range	6.3~50																					
标称容量范围(μF) Capacitance Range	0.1~100																					
标称容量允许偏差) Capacitance Tolerance(20°C,120Hz)	± 20%																					
漏电流(μA) Leakage Current	$I \leq 0.01CV$ 或 $3 \mu A$ , 取较大者 (20°C, 2分钟) C: 标称容量 (μF) V: 额定电压 (V) $I \leq 0.01CV$ or $3 \mu A$ whichever is greater (at 20°C, after 2 minutes) C: Nominal Capacitance (μF) V: Rated Voltage (V)																					
损耗角正切值 (tg δ) Dissipation Factor(20°C, 120Hz)	<table border="1"> <thead> <tr> <th>额定电压 Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>损耗角正切值 Tan δ(max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	额定电压 Rated Voltage (V)	6.3	10	16	25	35	50	损耗角正切值 Tan δ(max)	0.22	0.19	0.16	0.14	0.12	0.10							
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低温特性 Stability at Low Temperature ( Impedance Ratio at 120Hz )	<table border="1"> <thead> <tr> <th>额定电压 Rated Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z-25°C / Z +20°C</td> <td colspan="2">3</td> <td colspan="4">2</td> </tr> <tr> <td>Z-40°C / Z +20°C</td> <td>8</td> <td>5</td> <td>4</td> <td colspan="3">3</td> </tr> </tbody> </table>	额定电压 Rated Voltage(V)	6.3	10	16	25	35	50	Z-25°C / Z +20°C	3		2				Z-40°C / Z +20°C	8	5	4	3		
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项目 Item	使用寿命 Useful Life		负载寿命 Load Life	耐久试验 Endurance Test	高温贮存 shelf Life
寿命 Lifetime	2000h	130000h	1000h	1000h	500h
漏电流 Leakage Current	≤ 初始规定值 Not more than specified value		≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value
容量变化率 Capacitance Change	初始值 ± 30%以内 Within ±30% of initial Value		初始值 ± 20%以内 Within ±20% of initial Value	初始值 ± 20%以内 Within ±20% of initial Value	初始值 ± 20%以内 Within ±20% of initial Value
损耗变化率 Dissipation Factor	≤ 初始规定值的5倍 Not more than 500% of specified value		≤ 初始规定值的2倍 Not more than 200% of specified value	≤ 初始规定值的2倍 Not more than 200% of specified value	≤ 初始规定值的2倍 Not more than 200% of specified value
使用条件 Condition: 使用电压 APPLIED Voltage 使用电流 Applied Current 使用温度 APPLIED Temperature	U <sub>R</sub> I <sub>R</sub> 105°C	U <sub>R</sub> 1.2×I <sub>R</sub> 40°C	U <sub>R</sub> I <sub>R</sub> 105°C	U <sub>R</sub> I <sub>R</sub> =0 105°C	U <sub>R</sub> =0 I <sub>R</sub> =0 105°C <div style="border: 1px solid black; padding: 5px; width: fit-content;">试验后: 施加额定电压30分钟 后恢复24小时 After test: U<sub>R</sub> to be applied for 30min &gt;24h before measurement</div>

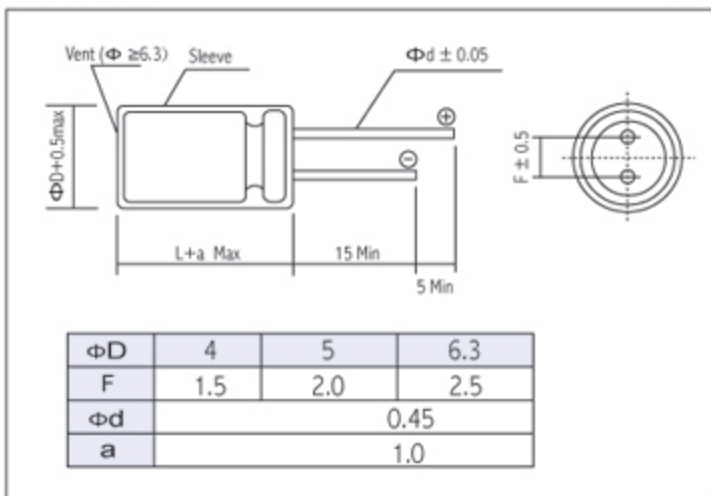
CD 70H 系列  
Ratings for CD 70H Series

U <sub>R</sub> (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120HZ	Rated Ripple Current 105°C 120HZ	Size Φ DXL
(V)	(μF)	(Ω)	(mA <sub>rms</sub> )	(mm)
6.3 (7.2) OJ	22	13	42	4×7
	33	9	52	5×7
	47	6	64	5×7
	100	3	96	6.3×7
10 (13) 1A	22	11	49	5×7
	33	8	60	5×7
	47	5	95	6.3×7
16 (20) 1C	10	21	39	4×7
	22	10	54	5×7
	33	6	83	6.3×7
25 (32) 1E	47	5	95	6.3×7
	2.2	84	21	4×7
	3.3	56	25	4×7
	4.7	40	47	5×7
35 (44) 1V	10	19	84	6.3×7
	22	8	90	6.3×7
	2.2	72	23	4×7
	3.3	48	25	4×7
50 (63) 1H	4.7	34	48	5×7
	10	16	90	6.3×7
	0.1	1592	6	4×7
	2.2	724	8	4×7
	3.3	483	10	4×7
	4.7	339	12	4×7
	1	159	16	4×7
2.2	72	25	4×7	
3.3	48	28	4×7	
4.7	34	48	5×7	
10	16	75	6.3×7	

RADIAL

外形图尺寸表 Dimensions

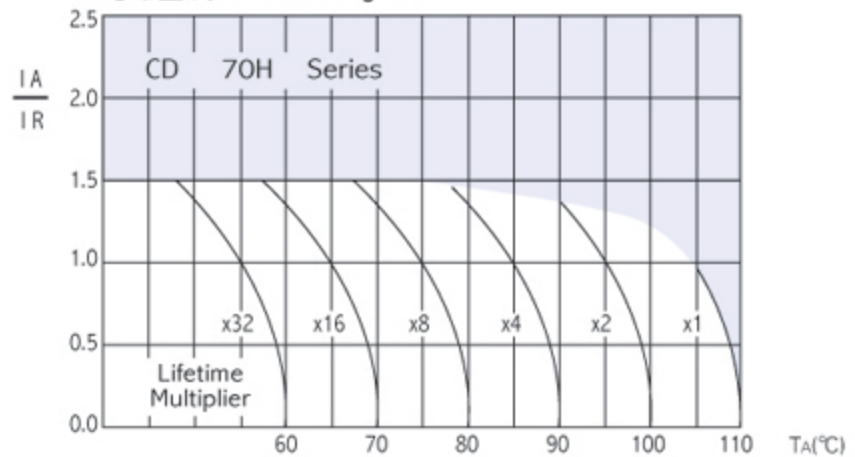
mm



频率系数 Frequency Coefficient

频率 Frequency	50Hz	120Hz	1KHz	≥10KHz
系数 Coefficient	0.7	1.0	1.36	1.50

寿命曲线 Lifetime Diagram



I<sub>A</sub> = actual ripple current at 100KHZ, I<sub>R</sub> = rated ripple current at 100KHZ, 105°C  
Multiplier of Useful Life as a function of ambient temperature and ripple current load