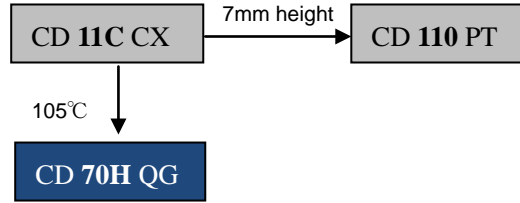


CD 70H QG Series



1000h at 105°C

- Load life of 1000 hours at 105°C
- 7mm products
- VTR,digital cameras,car radios, micro cassette tape recorderetc.

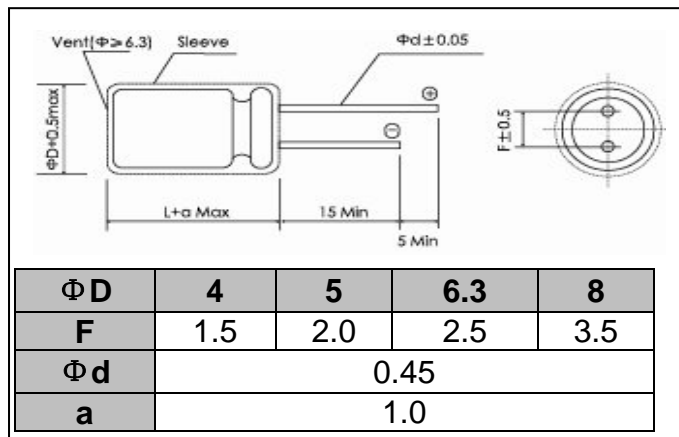


Items	Characteristics						
Operating Temperature Range(°C)	-55 ~ +105						
Capacitance Tolerance (20°C,120Hz)	±20%						
Leakage Current (µA)	After 2 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 3, whichever is greater C:Nominal Capacitance(µF) V:Rated Voltage(V)						
Dissipation Factor (20°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50
	Tan δ(max)	0.22	0.19	0.16	0.14	0.12	0.10
Stability at Low Temperature (Impedance Ratio at 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50
	Impedance Ratio	Z _{-25°C} /Z _{+20°C}	3		2		
		Z _{-40°C} /Z _{+20°C}	8	5	4	3	

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	2000h	130000h	1000h	1000h	500h
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value
Capacitance Change	Within ±30% of initial value		Within ±20% of initial value	Within ±20% of initial value	Within ±20% of initial value
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value	Not more than 200% of specified value	Not more than 200% of specified value
Condition: Applied Voltage Applied Current Applied Temperature	U _R I _R 105°C	U _R 1.2 x I _R 40°C	U _R I _R 105°C	U _R I _R = 0 105°C	U _R = 0 I _R = 0 105°C After test: U _R to be applied for 30min >24h before measurement

Dimensions

mm



Frequency Coefficient

Frequency Rated voltage(v)	50-60Hz	120Hz	1kHz	10k-100kHz
	6.3~16	0.68	0.72	0.92
25~35	0.48	0.63	0.80	1.0
50	0.45	0.50	0.70	1.0

Temperature Coefficient

Temperature(°C)	+85	+105
Coefficient	1.35	1

Ratings for CD 70H QG Series

U_R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Rated Ripple Current 105°C, 100kHz	Size $\Phi D \times L$	P/N
(V)	(μF)	(Ω)	(mA _{rms})	(mm)	-
6.3 (7.2) 0J	22	13	42	4X7	ECR0JQG220M□□040007
	33	9	52	5X7	ECR0JQG330M□□050007
	47	6	64	5X7	ECR0JQG470M□□050007
	100	3	96	6.3X7	ECR0JQG101M□□063007
10 (13) 1A	22	11	49	5X7	ECR1AQG220M□□050007
	33	8	60	5X7	ECR1AQG330M□□050007
	47	5	95	6.3X7	ECR1AQG470M□□063007
16 (20) 1C	10	21	39	4X7	ECR1CQG100M□□040007
	22	10	54	5X7	ECR1CQG220M□□050007
	33	6	83	6.3X7	ECR1CQG330M□□063007
	47	5	95	6.3X7	ECR1CQG470M□□063007
25 (32) 1E	2.2	84	21	4X7	ECR1EQG2R2M□□040007
	3.3	56	25	4X7	ECR1EQG3R3M□□040007
	4.7	40	47	5X7	ECR1EQG4R7M□□050007
	10	19	84	6.3X7	ECR1EQG100M□□063007
	22	8	90	6.3X7	ECR1EQG220M□□063007
35 (44) 1V	2.2	72	23	4X7	ECR1VQG2R2M□□040007
	3.3	48	25	4X7	ECR1VQG3R3M□□040007
	4.7	34	48	5X7	ECR1VQG4R7M□□050007
	10	16	90	6.3X7	ECR1VQG100M□□063007
50 (63) 1H	0.1	1592	6	4X7	ECR1HQG0R1M□□040007
	0.22	724	8	4X7	ECR1HQGR22M□□040007
	0.33	483	10	4X7	ECR1HQGR33M□□040007
	0.47	339	12	4X7	ECR1HQGR47M□□040007
	1	159	16	4X7	ECR1HQG010M□□040007
	2.2	72	25	4X7	ECR1HQG2R2M□□040007
	3.3	48	28	4X7	ECR1HQG3R3M□□040007
	4.7	34	48	5X7	ECR1HQG4R7M□□050007
	10	16	75	6.3X7	ECR1HQG100M□□063007

Customer products are available on request.

Lifetime Diagram

