

用途 Applications

用作電源濾波、抑制電源電磁幹擾、初次級耦合、開關電源、電源適配器等。也用作直-交流隔離及無變壓器數據存取裝置的噪音吸收等。

Ideal for use as X/Y capacitors for AC line filter, electromagnetic interference suppression and primary-secondary coupling on switching power supplies and AC adapters. Ideal for use on D-A isolation and noise absorption for DAA modems without transformers.

規格書 SPECIFICATION

項目Item	標準要求 Specification	
氣候類別Climatic Category 阻燃等級Passive Flammability Class	25/125/21/C	
使用溫度範圍Operating Temperature	-25°C~ +125°C	
容量、損耗測試條件 apacitance(C),Dissipation(tg δ)Testing at	1)標準大氣環境* Standard atmospheric condition	
	2)1Vr.m.s,1KHz/100KHz	
介質損耗 Dissipation Factor (tg δ)	NP0、SL: ≤2.5‰ (C _R ≥50pF); ≤5‰ (5pF≤C _R < 50pF) Y5P、Y5U、Y5V : ≤2.5%	
系列產品容量範圍 Capacitance Range	5pF~ 10000pF	
容量偏差 Capacitance Tolerance	J: ± 5%、K: ± 10%、M: ± 20%	
額定電壓 Rated Working Voltage	Y2/X1:250VAC/400VAC	
端子間耐壓 Withstand Voltage Between Terminals	引線間距 (Lead space) ≥7.5mm	引線間距 (Lead space) 5.0mm
	2600VAC	2000VAC
絕緣電阻 Insulation Resistance (I.R)	≥10000MΩ(500VDC)	
溫度特性 Temperature Characteristic	NP0、SL、Y5P、Y5U、Y5V	
阻燃環氧樹脂封裝 Flame Retardant Epoxy Resin(coating)	符合UL94V-0標準 Conforming to UL94V-0 standards	

安規認證及標準 Safety Standards and File No.

安規機構 Safety Organization	標準編號 Standard No.	證書編號 File No.	額定電壓 Rated Voltage	安規符號及國家(地區) Approved Monogram	
UL/CUL	UL 60384-14	E252221	Y2 250VAC X1 400VAC		USA/Canada
CQC	GB/T6314.14-2015	CQC04001011968	Y2 250VAC X1 400VAC		China
VDE	EN 60384-14(VDE 0565-1-1):2014-04 EN60384-14:13-08 1EC60384-14(ed.4)	40015758	Y2 250VAC		Germany
ENEC					European Economic Community

DCF-Y1 標準品規格表 Normal Specification Form of DCF-Y2/X1

EG 產品代碼 EG P/N	額定容量 Rated Capacitance (pf)	溫度特性 Temperature Characteristic	容量誤差 Capacitance Tolerance	素子尺寸 Plate Size	尺寸 Dimension(mm)		間距 Spacing F (mm)	綫徑 Diameter d (mm)
					直徑 D max	厚度 T max		
DCF101KY5PQ	100	Y5P	K	48130	6.5	5.0	5.0/7.5	0.56
DCF151KY5PQ	150		K	48140	6.5	5.0	5.0/7.5	0.56
DCF181KY5PQ	180		K	48140	6.5	5.0	5.0/7.5	0.56
DCF221KY5PQ	220		K	48140	6.5	5.0	5.0/7.5	0.56
DCF271KY5PQ	270		K	48140	6.5	5.0	5.0/7.5	0.56
DCF331KY5PQ	330		K	48140	6.5	5.0	5.0/7.5	0.56
DCF391KY5PQ	390		K	48140	6.5	5.0	5.0/7.5	0.56
DCF471KY5PQ	470		K	52140	7.0	5.0	5.0/7.5	0.56
DCF561KY5PQ	560		K	58140	7.5	5.0	5.0/7.5	0.56
DCF681KY5PQ	680		K	62140	8.0	5.0	5.0/7.5	0.56
DCF821KY5PQ	820		K	68140	8.5	5.0	5.0/7.5	0.56
DCF102KY5PQ	1000		K	72140	9.0	5.0	7.5/10.0	0.56
DCF122KY5PQ	1200		K	82140	10.0	5.0	7.5/10.0	0.56
DCF152KY5PQ	1500		K	95150	11.5	5.0	7.5/10.0	0.56
DCF222KY5PQ	2200		K	120160	14.0	5.0	7.5/10.0	0.56
DCF471KY5UQ	470	Y5U	K	48150	6.5	5.0	5.0/7.5	0.56
DCF681KY5UQ	680		K	48150	6.5	5.0	5.0/7.5	0.56
DCF102MY5UQ	1000		M	52140	7.0	5.0	5.0/7.5	0.56
DCF122MY5UQ	1200		M	58140	7.5	5.0	5.0/7.5	0.56
DCF152MY5UQ	1500		M	62140	8.0	5.0	5.0/7.5	0.56
DCF182MY5UQ	1800		M	68140	8.5	5.0	5.0/7.5	0.56
DCF222MY5UQ	2200		M	72140	9.0	5.0	7.5/10.0	0.56
DCF272MY5UQ	2700		M	82140	10.0	5.0	7.5/10.0	0.56
DCF332MY5UQ	3300		M	88140	11.5	5.0	7.5/10.0	0.56
DCF392MY5UQ	3900		M	100140	12.0	5.0	7.5/10.0	0.56
DCF472MY5UQ	4700	M	100140	12.0	5.0	10.0	0.56	
DCF102MY5VQ	1000	Y5V	M	48140	6.5	5.0	5.0/7.5	0.56
DCF152MY5VQ	1500		M	52140	7.0	5.0	5.0/7.5	0.56
DCF182MY5VQ	1800		M	52140	7.0	5.0	5.0/7.5	0.56
DCF222MY5VQ	2200		M	58140	7.5	5.0	5.0/7.5	0.56
DCF272MY5VQ	2700		M	68140	8.5	5.0	5.0/7.5	0.56
DCF332MY5VQ	3300		M	68140	8.5	5.0	5.0/7.5	0.56
DCF392MY5VQ	3900		M	78140	9.5	5.0	7.5/10.0	0.56
DCF472MY5VQ	4700		M	78140	9.5	5.0	7.5/10.0	0.56
DCF682MY5VQ	6800		M	105160	12.5	5.0	10.0	0.56
DCF103MY5VQ	10000		M	120160	14.0	5.0	10.0	0.56