

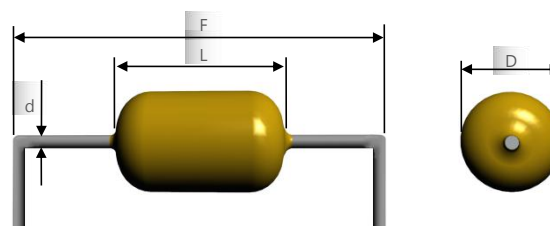
# AT (CT42) series 二類軸向引線多層陶瓷電容器 Class II Axial Leaded Multilayer Ceramic Capacitor



## ■結構圖 Construction



## ■尺寸代碼 Dimensions Code



## ■特性

體積小，容量大，能製作比一類瓷介更大的電容器，與徑向型相比，其自動貼片成本低，零件高度下降，安裝密度提高，也減少了占位空間，適用於旁路電容器

## ■Feature

Miniature size, offers higher capacitance ranges than class I, large capacitance. Automatic insertion related costs are lower than with radial type capacitors, are optimum for bypass capacitors.

技術要求參照標準 Specification Reference Standard	IEC 60384-9
額定電壓 Rated Voltage( $U_R$ )	25 / 50 / 100VDC ( $\geq 250$ VDC 依客戶需求設計 $\geq 250$ VDC Request by customer)
電容量範圍 Capacitance Range	100pF ~ 1.2 $\mu$ F
耐電壓 Voltage Proof	2.5 $U_R$
電容量偏差 Capacitance Tolerance	$\pm 10\%$ (K), $\pm 20\%$ (M), $+80\%-20\%$ (Z)
品質因數 Quality Factor (Q)	X7R $\leq 3.5\%$ , Y5V $\leq 7.0\%$ (220nF 以下), $\leq 10.0\%$ (220~470nF) $\leq 12.5\%$ (470 nF ~ 10 $\mu$ F)
絕緣電阻 Insulation Resistance(IR)	$C \leq 25$ nF : IR > 4000M $\Omega$ ; $C > 25$ nF : R.C > 100M $\Omega \cdot \mu$ F
使用溫度範圍 Operating Temperature	X7R -55°C ~ +125°C ; Y5V -25°C ~ +85°C
溫度特性 Temperature Characteristic	X7R, Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

# AT (CT42) series 二類軸向引線多層陶瓷電容器

## Class II Axial Leaded Multilayer Ceramic Capacitor



### ■外型尺寸 Dimensions (mm)

尺寸規格 Size Code	額定電壓 Rated Voltage (VDC)	溫度係數 T.C. X7R	溫度係數 T.C. Y5V/Z5U	產品尺寸 Dimension(mm)			
		標稱容量 CAP. (pF)	標稱容量 CAP. (pF)	L max	D max	F ±0.5	d ±0.05
15	25	101~154	102~105	3.8	2.5	5.08 / 7.5 / 10	0.45
15	50	101~104	102~474	3.8	2.5	5.08 / 7.5 / 10	0.45
15	100	101~103	102~683	3.8	2.5	5.08 / 7.5 / 10	0.45
16	25	101~224	102~125	4.0	2.5	5.08 / 7.5 / 10	0.45
16	50	101~104	102~105	4.0	2.5	5.08 / 7.5 / 10	0.45
16	100	101~333	102~104	4.0	2.5	5.08 / 7.5 / 10	0.45
17	25	101~224	102~125	4.3	2.5	5.08 / 7.5 / 10	0.45
17	50	101~104	102~105	4.3	2.5	5.08 / 7.5 / 10	0.45
17	100	101~333	102~104	4.3	2.5	5.08 / 7.5 / 10	0.45
19	25	101~105	102~125	4.8	3.0	7.5 / 10	0.45
19	50	101~474	102~105	4.8	3.0	7.5 / 10	0.45
19	100	101~104	102~334	4.8	3.0	7.5 / 10	0.45
20	25	101~105	102~125	5.1	3.0	7.5 / 10	0.45
20	50	101~474	102~105	5.1	3.0	7.5 / 10	0.45
20	100	101~104	102~334	5.1	3.0	7.5 / 10	0.45
25	25	101~105	102~125	6.3	3.5	10	0.45
25	50	101~474	102~105	6.3	3.5	10	0.45
25	100	101~104	102~334	6.3	3.5	10	0.45

注:本公司更改設計規格不予事先通知, 以上數據僅作選型參考, 以實際規格書為準

Note: Design, specifications are subject to change without notice, the above parameters for reference only, see the approval sheet for details.

注:空間有限, 尺寸不能一一呈列, 歡迎來電親洽我司業務

Note: Cannot list all size since the limited space, Welcome to inquire our business by phone or on person.

注:可依需求製作特殊規格

Note: Special size or items on request.