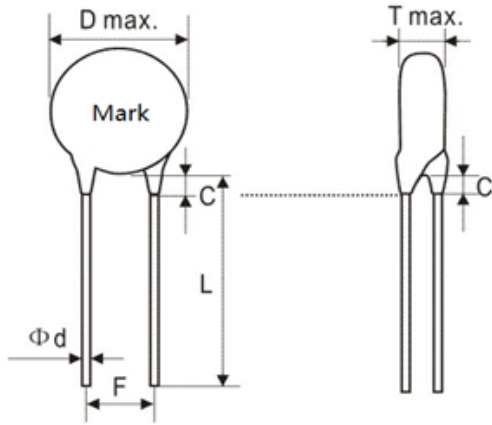


安規標準陶瓷電容器 PY2 series (X1 400Vac / Y2 300Vac) 25/125/21/B

■ 外觀圖 Outline Drawing



■ 主要用途

線對線 (X 類) 濾波 ·  
 線對地 (Y 類) 濾波 · 天線耦合  
 一次和二次耦合 (切換電源) ·  
 和線路干擾抑制  
 (電機和電機控制、繼電器、關關電源和逆變器)

■ Typical Applications

Line-to-line (class X) filtering  
 Line-to-ground (class Y) filtering, Antenna coupling  
 Primary and secondary coupling (switching power supplies) and line disturbances suppression (motors and motor controls, relays, switching power supplies and invertors).

■ 特點

安規認證標準 IEC60384-14  
 高達 125°C 的可靠運行  
 容量範圍 100pF~10nF  
 無鉛和符合 RoHS, 無鹵  
 高可靠性  
 封裝符合可燃性標準 UL 94V-0

■ Features

Safety Standard Recognized IEC60384-14  
 Reliable operation up to 125°C  
 Capacitance offerings ranging from 100pF~10 nF  
 Lead (Pb)-free and RoHS Compliant, Halogen free  
 High reliability  
 Encapsulation meets flammability standard UL 94V-0

■ 安全認證 Safety Approvals

UL UL 60384-14 and E60384-14	E302125	
VDE/ENEC IEC 60384-14	40050253	
CQC IEC 60384-14:2005	CQC19001219046	

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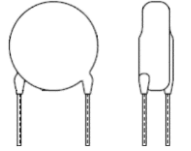
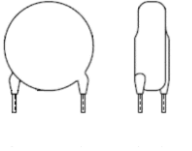
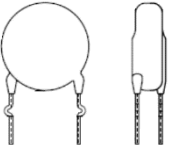
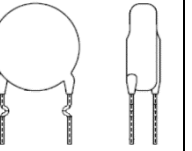
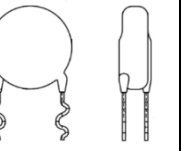
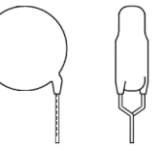
■ 技術要求 Specifications

電介質/溫度特性 Dielectric/Temperature Characteristic	Y5P	Y5U	Y5V
Capacitance Change with Reference to +25°C and 0 VDC Applied	±10%	+22%, -56%	+22, -82%
工作溫度範圍 Operating Temperature Range	-25°C~125°C		
額定電壓 Rated Voltage	X1 400Vac , Y2 300Vac		
端子間測試電壓 Test Voltage Between Terminals	2,600 VAC, 50 Hz, 60 seconds		
絕緣電阻 Insulation Resistance	> 6000MΩ		
損耗角 Dissipation Factor (tanδ) at 1KHz and 25°C	2.5% Max	2.5% Max	5.0% Max

■ 產品編碼說明 Product code system

PY2	F	B	102	M	I	300	A	B	08	23
Type	Temperature characteristics	Internal use	Nominal capacity	Tolerance	Internal use	Rated Voltage	Voltage	Lead forming	Lead Pitch	Lead length
PY1= X1/Y1 PY2= X1/Y2	B=Y5P E=Y5U F=Y5V	---	220=22pF 471=470pF 472=4700pF 103=10nF	K=±10% M=±20%	---	300= 300V	A=AC	Shown as Table II	05=5mm 08=7.5mm 10=10mm 13=12.5mm	04= 3.5mm 23= 23mm

Table II

Code	B	K	R	U	W	S
Lead Forming						

安規標準陶瓷電容器 PY2 series (X1 400Vac / Y2 300Vac) 25/125/21/B

■ 外型尺寸表 Dimensions (mm)

電介質/溫度系數 Dielectric/Temp. Char.	產品代碼 Part number	容量 Capacitance	誤差 Tolerance	D Max	T Max	F±0.5	ø d± 0.05
± 10% (Y5P)	PY2B_100K+300A*08**	100 pF	±10%	6.5	4.5	7.5	0.55
	PY2B_150K+300A*08**	150 pF		6.5	4.5		
	PY2B_220K+300A*08**	220 pF		6.5	4.5		
	PY2B_270K+300A*08**	270 pF		6.5	4.5		
	PY2B_330K+300A*08**	330 pF		6.5	4.5		
	PY2B_470K+300A*08**	470 pF		7.5	4.5		
	PY2B_560K+300A*08**	560 pF		7.5	4.5		
	PY2B_680K+300A*08**	680 pF		8	4.5		
	PY2B_820K+300A*08**	820 pF		8.5	4.5		
	PY2B_102K+300A*08**	1000 pF		9	4.5		
+22 ~ -56% (Y5U)	PY2E_471K+300A*08**	470 pF	±10%	6.5	4.5	7.5	0.55
	PY2E_561K+300A*08**	560 pF		7.5	4.5		
	PY2E_681K+300A*08**	680 pF		7.5	4.5		
	PY2E_821K+300A*08**	820 pF		7.5	4.5		
	±20%	PY2E_102M+300A*08**	1000 pF	7.5	4.5		
		PY2E_152M+300A*08**	1500 pF	8.5	4.5		
		PY2E_222M+300A*08**	2200 pF	9.5	4.5		
		PY2E_332M+300A*10**	3300 pF	11	4.5		
		PY2E_472M+300A*10**	4700 pF	13	4.5		
+22 ~ -82% (Y5V)	PY2F_102M+300A*08**	1000 pF	±20%	6.5	4.5	7.5	0.55
	PY2F_152M+300A*08**	1500 pF		7.5	4.5		
	PY2F_222M+300A*08**	2200 pF		7.5	4.5		
	PY2F_332M+300A*08**	3300 pF		9	4.5		
	PY2F_392M+300A*08**	3900 pF		9.5	4.5		
	PY2F_472M+300A*08**	4700 pF		9.5	4.5		
	PY2F_562M+300A*08**	5600 pF		11.5	4.5		
	PY2F_682M+300A*08**	6800 pF		11.5	4.5		
	PY2F_822M+300A*08**	8200 pF		12.5	4.5		
	PY2F_103M+300A*10**	10000 pF		14.5	4.5		

"\_" and "+" = Internal use

\* = Lead forming, \*\* = Lead length