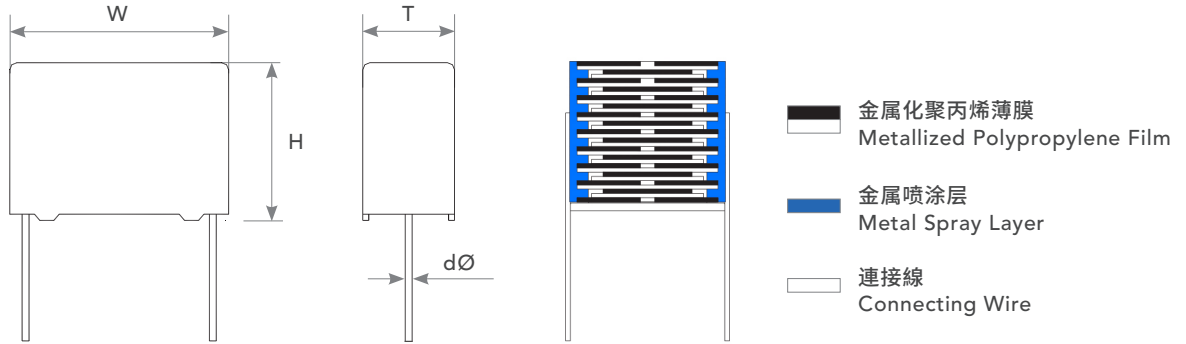


【干扰抑制电容器】Y2 电容器 (THB-1000H; Y2X1-300VAC)

INTERFERENCE SUPPRESSION CAPACITOR / Y2 CAPACITOR (THB-1000H; Y2X1-300VAC)

Y2X1
THB

THB-版-防潮 (THB-Version-Temperature Humidity Bias)



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
Winding: non-inductive type
- 导线: 镀锡线
Leads: Tinned Wire
- 外层: 阻燃塑胶外壳, 环氧树脂填充
Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 在高环境温度和 high 湿度等恶劣环境条件下具有优异的长期稳定性
Excellent long term-stability under tough environmental conditions – such as high ambient temperatures and high humidity
- 良好的自愈性
Self-healing properties
- 符合UL、CUL、ENEC、CQC安规电容
In accordance with UL, CUL, ENEC, CQC safety regulations
- Y2类、X1类
Class Y2, Class X1

推荐应用 Recommended Application:

对长期稳定性要求很高的所有应用, 如:

All applications with high demand on excellent long term-stability, such as:

- 户外应用
Outdoor applications
- 工业电源
Industrial power supply
- EMI滤波器
EMI filter
- 恶劣环境条件下
For severe ambient conditions
- 跨线
Across the line

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL60384-14, EN-60384-14, IEC-60384-14
额定电压 Rated Voltage	300VAC(ENEC, CQC), 310VAC (UL/CUL)
额定温度 Rated Temperature	-40°C ~ +110°C
容量范围 Capacitance Range	0.001μF ~ 0.22μF
损耗角正切 Dissipation Factor	0.2% or less. at 1Khz, 20±5°C

绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥ 15000MΩ at DC 100V (C ≤ 0.33μF) ≥ 5000MΩ × μF at DC 100V (C > 0.33μF)		Terminal to Enclosure: ≥ 100000MΩ at DC 100V ≥ 500MΩ at DC 500V	
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found when apply a voltage specified below for 1minute. AC 1500V or DC 2250V or DC 3000V for 3sec [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.			
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch V _R	10 mm	15 mm	22.5 mm
	1000VDC	800	600	500
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... -40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... -40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.			

信赖性测试 Reliability Test:

测试方法 Test Method	要求 Requirements
温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: 300VAC 周期 Duration: 1000 hours	容量变化 Capacitance change ΔC/C : ≤ 10% Δtan δ ≤ 2.4% at 10KHz 绝缘阻抗 Insulation Resistance: ≥ 50% of spec value

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL US	U.S.A CANADA	UL 60384-14	E149075	Y2/X1	0.001μF ~ 0.22μF	310 VAC
ENEC 14	EUROPE	EN-60384-14	SE/0252-3C	Y2/X1	0.001μF ~ 0.22μF	300 VAC
CB	EUROPE	IEC-60384-14	US-27453-A1-UL	Y2/X1	0.001μF ~ 0.22μF	300 VAC
CQC	CHINA	GB/T 6346.14	CQC08001028115	Y2	0.001μF ~ 0.22μF	300 VAC

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	300VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13	10	5	10	0.6	Y2X1102*0300AB*10*U
0.0015	13	11	5.5	10	0.6	Y2X1152*0300AB*10*U
0.0022	13	12	6	10	0.6	Y2X1222*0300AB*10*U
0.0033	13	13	7	10	0.6	Y2X1332*0300AB*10*U
0.0039	13	14	8	10	0.6	Y2X1392*0300AB*10*U
0.0047	13	14	8	10	0.6	Y2X1472*0300AB*10*U
0.0047	18	12	6	15	0.8	Y2X1472*0300AB*15*U
0.0056	18	12	6	15	0.8	Y2X1562*0300AB*15*U
0.0068	18	13	7	15	0.8	Y2X1682*0300AB*15*U
0.0082	18	13	7	15	0.8	Y2X1822*0300AB*15*U
0.01	18	13.5	7.5	15	0.8	Y2X1103*0300AB*15*U
0.015	18	15	9	15	0.8	Y2X1153*0300AB*15*U

R.V.	300VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.022	18	18	10	15	0.8	Y2X1223*0300AB*15*U
0.027	18	18	10	15	0.8	Y2X1273*0300AB*15*U
0.033	18	19	11	15	0.8	Y2X1333*0300AB*15*U
0.047	18	22	12.5	15	0.8	Y2X1473*0300AB*15*U
0.033	26	17	8	22.5	0.8	Y2X1333*0300AB*22*U
0.047	26	18	9	22.5	0.8	Y2X1473*0300AB*22*U
0.056	26	19	10	22.5	0.8	Y2X1563*0300AB*22*U
0.068	26	21	10	22.5	0.8	Y2X1683*0300AB*22*U
0.082	26	22	12	22.5	0.8	Y2X1823*0300AB*22*U
0.1	26	22.5	13	22.5	0.8	Y2X1104*0300AB*22*U
0.15	26	26	16	22.5	0.8	Y2X1154*0300AB*22*U
0.22	26	25	15	22.5	0.8	Y2X1224*0300AB*22*U