

獨石電容

MULTILAYER CERAMIC CAPACITOR

電氣性能 ELECTRICAL PROPERTIES STANDARD

檢驗項目 ITEM	NPO(N)	X7R (B)	Z5U (E)	Y5V (Y/F)
電容量 (C) Capacitance	在相應的誤差範圍內 In the tolerance	在相應的誤差範圍內 In the tolerance	在相應的誤差範圍內 In the tolerance	在相應的誤差範圍內 In the tolerance
損耗角正切 (DF) Dissipation Factor	≤0.15%	Ur≥50V, DF≤250×10 ⁻⁴	Ur≥50V, DF≤500×10 ⁻⁴	
		Ur=25V, 16V: DF≤350×10 ⁻⁴	Ur=25V	
		Ur=10V: DF≤500×10 ⁻⁴	C<1uF, DF≤700×10 ⁻⁴	
		Ur=6.3V	C≥1uF, DF≤900×10 ⁻⁴	
		C<3.3uF, DF≤500×10 ⁻⁴	Ur=16V, 10V, 6.3V: DF≤1250×10 ⁻⁴	
C≥3.3uF, DF≤1000×10 ⁻⁴				
絕緣電阻 (IR) Insulation Resistance	C≤10nF IR≥10000MΩ c>10nF R.C≥100s	C≤25nF IR≥10000MΩ c>25nF R.C≥100s	C≤25nF IR≥4000MΩ c>25nF R.C≥100s	
容量範圍 CAPACITANCE RANGE	0.3pF~100nF	100pF~22uF	1000pF~100uF	
溫度系數 OPERATING TEMPERATURE	0±30ppm/°C -55°C~+125°C	±15% -55°C~+125°C	+22%~-56% +10°C~+85°C	+30%~-80% -25°C~+85°C
耐電壓 Withstanding Voltage	3倍額定電壓 3 rated voltage	2.5倍額定電壓 2.5 rated voltage	2.5倍額定電壓 2.5 rated voltage	2.5倍額定電壓 2.5 rated voltage
	100V~1000V施加額定電壓的1.5倍, 5秒最大電流不超過50mA 100V~1000V Force 1.5Rated voltage for 5 seconds. Max. current should not exceed50mA			
	2000V~5000V施加額定電壓的1.2倍, 5秒最大電流不超過50mA 1000V~2000V Force 1.2Rated voltage for 5 seconds. Max. current should not exceed50mA			
	2000V~5000V施加額定電壓的1.2倍, 5秒最大電流不超過10mA 2000V~5000V Force 1.2Rated voltage for 5 seconds. Max. current should not exceed10mA			
測試條件 TEST CONDITION				
測試頻率 Test Frequency	1MHz C>1000pF 1kHz	1kHz	1kHz	1kHz
容量損耗測試電壓 Test Voltage of Cap. D.F	1±0.2V	1±0.2V	0.3V~1.0V	0.3V~1.0V
絕緣電阻測試電壓 Test Voltage of IR	額定電壓 Rated Voltage	額定電壓 Rated Voltage	額定電壓 Rated Voltage	額定電壓 Rated Voltage
環境溫度 Temperature	18~25°C	18~25°C	18~25°C	18~25°C
環境濕度 Humidity	<75%	<75%	<75%	<75%

外形圖 SHAPE PICTURE

