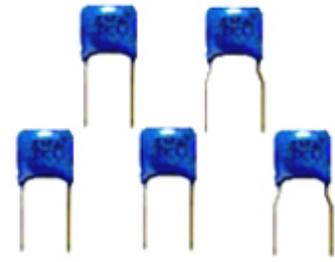
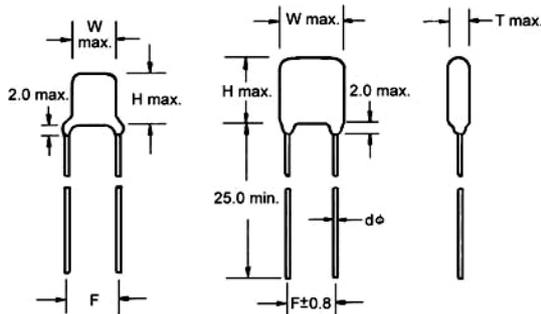


MULTILAYER CERAMIC CAPACITORS 積層陶瓷電容器



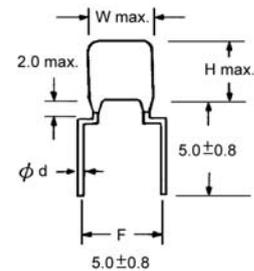
● DIMENSIONS 外觀尺寸

1. STRAIGHT LONG LEADS 直長腳



$d\phi$ = AWG #22 or #24 tinned copper wire

2. STRAIGHT CUT LEADS 直切腳



Unit: mm

TYPE NO.	W max.	H max.	T max.	F ± 0.8
ML05	5.0	5.0	3.5	2.5 or 5.0

● SPECIFICATION 規格

Temperature Characteristics 溫度係數	NPO	X7R	Z5U
Operation Temperature Range 操作溫度範圍	-55°C ~ +125°C	-55°C ~ +125°C	+10°C ~ +85°C
Capacitance Change 電容值變化	0 ± 30ppm/°C	± 15% max.	+22%, -56% max.
Rated Working Voltage (DC) 額定電壓	50V		
Tolerance Symbol 誤差值符號	J (± 5%), K (± 10%)	K (± 10%), M (± 20%)	M (± 20%), Z (+80%-20%)
Test Frequency (NPO, X7R) 測試頻率	1MHz ± 50KHz, 1V rms (for 1000 pF or less) 1KHz ± 50Hz, 1V rms (for cap. Over 1000 pF)		
(Z5U)	1KHz ± 50Hz, 1V rms		
Capacitance Tolerance 電容誤差值	± 5%, ± 10%	± 10%, ± 20%	± 20%, +80% -20%
Dissipation Factor (at 25 °C) 散逸因子	0.15% max at 1V rms	2.5% max at 1V rms	2.5% max at 0.5V rms
Dielectric Strength 誘電強度	Withstand 250% of rated working voltage with 50mA current max, 5 sec.		
Insulation Resistance 絕緣電阻	100GΩ or 1000MΩ x μF whichever is less		10GΩ or 100MΩ x μF whichever is less
Life Test (1,000 hours) 壽命測試	200% of rated W.V. at +125°C		200% of rated W.V. at +85°C

● CAPACITANCE RANGE FOR W.V. 50V DC 電容值範圍

TYPE	NPO	X7R	Z5U
ML05	1 - 2,700 pF	220 - 470,000 pF	.01 - 2.2 μF