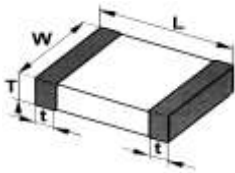


SPECIFICATION FOR APPROVAL

Multilayer Ceramic Chip Capacitors									
Customer :									
Capacitance : 1.0 uF		Tolerance : ±10%		Issue No.					
Temp. Coef. X5R		Q'ty of Sample : pcs		Issue Day. 31/08/2026					
Size : 0805		Part No. 0805X105K500N3		W.V. 50 VDC					
Diagram of Dimensions : (Unit : mm)									
			L: <u>2.00 ±0.20</u> W: <u>1.25 ±0.20</u> T: <u>1.25 ±0.20</u> t: <u>0.50 ±0.20</u>						
SPECIFICATION				Initial Test					
				No	uF	D.F.	I.R.	T.V.	
Frequency = 1K Hz Temperature = 25°C				1.					
1	Operating Temperature Range : -55°C ~ +85°C			2.					
2	Dissipation Factor : 3.5 % Max.			3.					
3	Insulation Resistance : 10 GΩ Min.			4.					
4	Dielectric Strength Test : DC 125 V			5.					
5	Temperature Characteristics : ±15% at -55°C to +85°C			6.					
6	For further details please visit the following link of our website :			7.					
	<u>MLCC-Approval 20250701.pdf</u>			8.					
				9.					
				10.					
APPROVED BY CUSTOMER				REMARK :					
Your Confirmation : ☐ Approval ☐ Conditional Approval ☐ Rejection (Please send a copy for our ref.)				Spec. Applied by EIA RS 198. JIS 5102. IEC 384-10 Test Instruments : (1). Capacitance : HP 4278A L.C.R.METER (2). Dissipation Factor : as the Item (1). (3). Insulation Resistance : CHEN HWA 705 (4). Dielectric Strength : CHEN HWA 203					
Inspected by				Checked by		游弘明		Approved by 蘇彥華	

Application Notes.

Subject : Storage of Chip Ceramic Capacitor

We recommend the following storage conditions :

To prevent damage to terminal soldering performance, the following storage and handling conditions are recommended :

- (1) Store the product at an ambient temperature of 5 ~ 40°C and a relative humidity of 20% ~ 70%; MSL 1 grade.
- (2) It is recommended that the product be used within one year of shipment.
To extend the shelf life by 12 ~ 24 months, soldering performance, capacitance value and D.F. value characteristics must be checked before use.

Precautions :

- a. Do not store capacitors in environments containing sulfuric acid, hydrogen sulfide, sulfur dioxide, chlorine, ammonia, etc.
Corrosive gases react with the capacitor's terminals, reducing its solderability, and may cause silver migration, thereby reducing reliability.
- b. Only open the packaging when the capacitor is needed.
If the packaging has been opened, reseal it as soon as possible.
Products packaged with tape should be kept away from direct sunlight to prevent the tape or adhesive from aging.
- c. Do not store capacitors in direct sunlight or in environments with condensation. Rapid changes in humidity causing condensation, or direct sunlight causing photochemical changes in the terminal electrodes, can reduce the solderability and electrical performance of the capacitor.
- d. Please store the product on a shelf to prevent it from getting damp.