

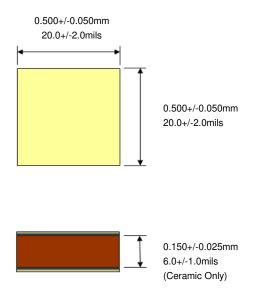
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SPECIFICATION SHEET



Manufactured to metric dimensions. Imperial units are for reference only.

Part Number:	CMS1R2K1HC		
Dielectric Constant(K):	90		
Capacitance Value:	1.2[pF] @ 1MHz, 1 Vrms, 25°C, No DC Bias		
Capacitance tolerance:	K (tolerance: ± 10%)		
Dissipation Factor (DF):	0.25% Max @ 1MHz, 1 Vrms, 25°C, No DC Bias		
Rated working voltage (RWV):	50 V		
Insulation Resistance (IR):	1,000,000MΩ Min @ 50Vdc, 25°C		
Dielectric Withstanding Voltage (DWV):	No breakdown @ 125Vdc x 2sec, 25°C		
Temperature Characteristic of Capacitance:	-330 \pm 60 ppm/°C (S2H @ -55°C to +125°C)@ No DC Bias		
Metallization:			
Тор:	TiW-Pt - Au 2.5μm Min		
Bottom:	TiW-Pt - Au 2.5μm Min		

NOTES:

- Other specifications not listed are available at www.tecdia.com.
 Specifications may be subject to change without prior notice.
- · RoHS compliant.
- Wire bonding location should be 25um or further from edges of the electrode to avoid electrode peeling.
- Capacitance, Temperature Coefficient and Dissipation Factor are measured before any AC or DC bias has been applied.
- Recommended Storage Conditions (Waffle Packaging): 23 +/- 10°C @ 60% RH Max
- Guaranteed Shelf Life: 1 year after delivery under recommended storage conditions.
- Successful wire bonding and die attachment are dependent on the types of bonding tools and conditions used. Please check the wire bonding and die attach conditions of your site to prevent the wire/electrode from peeling or detaching.

Tecdia is not responsible for mechanical issues such as cracking or detaching that can occur when solder die mounting.

PREPARED BY:		DESCRIPTION:	
M. Simpson	2020/1/14	CHIP CAPACITOR	Scale: Not to Scale
APPROVED BY:		TECDIA PART NUMBER:	SHEET:
T. Yoshikawa	2020/1/14	CMS1R2K1HC	1 of 1
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