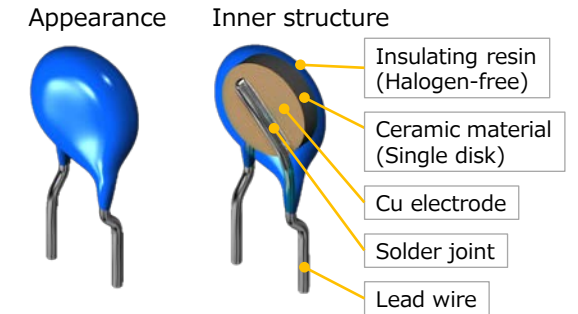



CS series : Automotive grade / Safety standard approved

<FEATURES>

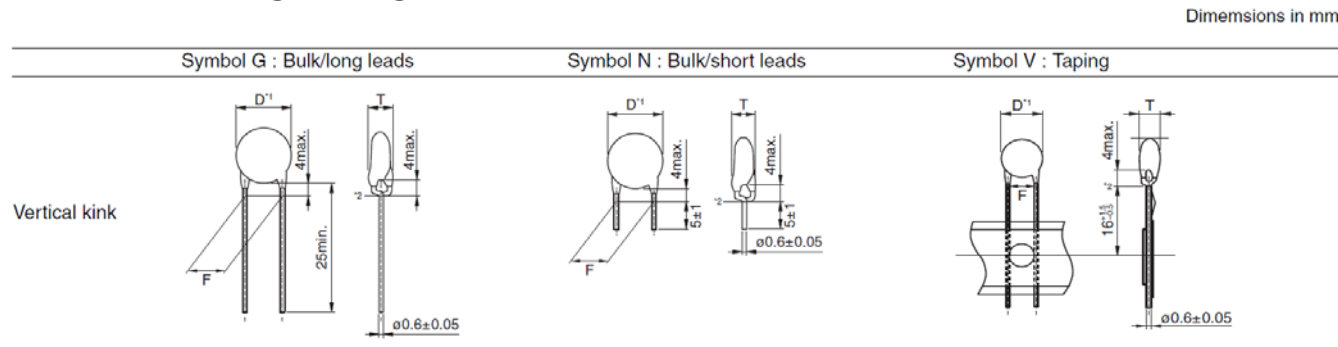
- > AEC-Q200 compliant. (1,000 cycles guaranteed under heat shock testing at -55°C to +125°C.)
- > For use in Y capacitor for battery chargers of automobile (EV, PHEV).
- > Compliant with IEC and the safety standards of various countries.
- > Withstand voltage is 2,600V AC.
- > Conform to RoHS directive due to lead(Pb) free of lead-wire and internal solder material.
- > Compatible with halogen-free external resin coating.



<PART NUMBER>

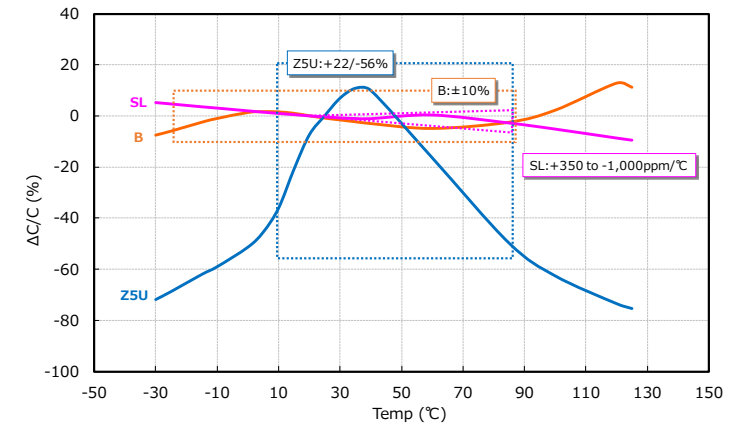
CS	80	ZU	2GA	222	M	A		K	A
Series name	Type*	Temperature characteristics	Rated voltage	Nominal capacitance	Capacitance tolerance	Grade classification	Lead-wire type	Application classification	Internal code
	45	SL +350 to -1,000ppm/°C	2GA X1:440V AC Y2:300V AC	100 10pF	J ±5%	A For use in automobiles	G Long lead	K Safety standard approved	A Halogen-free
	65			221 220pF	K ±10%		N Short lead		
	70	B ±10%		472 4,700pF	M ±20%		V Taping		
	75	ZU (Z5U) +22, -56%							
	80								
	85								
	95								
	11								

<LEAD-WIRE SHAPES>























TDK's standard product is vertical kink. TDK recommends short leads for bulk products.
 *1 Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).
 *2 Coating on leads shall not extend beyond the bottom of vertical kink.

<TEMPERATURE CHARACTERISTICS>



CS series : Automotive grade / Safety standard approved

Rated Voltage X1: 440V AC, Y2: 300V AC

Capacitance (pF)	Temperature characteristics			Part No.	Dimensions (mm)		
	 SL	 B	 Z5U		D max.	T max.	F
10				CS45SL2GA100JA*KA	(7.0)	7.0	7.5±1.5
15				CS45SL2GA150JA*KA	(7.0)	7.0	7.5±1.5
22				CS45SL2GA220JA*KA	(7.0)	7.0	7.5±1.5
33				CS45SL2GA330JA*KA	(7.0)	7.0	7.5±1.5
47				CS45SL2GA470JA*KA	(8.0)	7.0	7.5±1.5
68				CS45SL2GA680JA*KA	(9.0)	7.0	7.5±1.5
100				CS65-B2GA101KA*KA	(7.0)	7.0	7.5±1.5
150				CS65-B2GA151KA*KA	(7.0)	7.0	7.5±1.5
220				CS65-B2GA221KA*KA	(7.0)	7.0	7.5±1.5
330				CS70-B2GA331KA*KA	(7.5)	7.0	7.5±1.5
470				CS75-B2GA471KA*KA	(9.0)	7.0	7.5±1.5
680				CS85-B2GA681KA*KA	9.5	7.0	7.5±1.5
1,000				CS65ZU2GA102MA*KA	(7.0)	7.0	7.5±1.5
1,500				CS75ZU2GA152MA*KA	(8.0)	7.0	7.5±1.5
2,200				CS80ZU2GA222MA*KA	9.5	7.0	7.5±1.5
3,300				CS95ZU2GA332MA*KA	12.0	7.0	7.5±1.5
4,700				CS11ZU2GA472MA*KA	13.5	7.0	7.5±1.5

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CS series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=auto_cs&l=100&p=1&c=part_no-part_no&d=0

