

**3 Series Dimensions in mm (not to scale)**

Part No.	D max.	T max.	W	H max.	L	Shape and Dimensions
ERZC03DK220	7.5	3.5	5.0±1.0	6.5	1.5±1.0	
ERZC03DK270						
ERZC03DK390						
ERZC03DK820						
ERZC03DK121						
ERZC03DK241		4.5				

**5 Series Dimensions in mm (not to scale)**

Part No.	D max.	T max.	W	H max.	L	Shape and Dimensions
ERZC05DK180	7.5	4.5	5.0±1.0	10.0	1.5±1.0	
ERZC05DK220						
ERZC05DK270						
ERZC05DK330						
ERZC05DK390						
ERZC05DK470						
ERZC05DK560						
ERZC05DK680	7.0	4.7	5.0±1.0	10.0	1.8±1.0	
ERZC05DK101		4.8			1.8±1.0	
ERZC05DK121		5.0			2.0±1.0	
ERZC05DK151		5.2			2.0±1.0	
ERZC05DK201		5.3			2.1±1.0	
ERZC05DK221		5.4			2.2±1.0	
ERZC05DK241		5.6			2.4±1.0	
ERZC05DK271		6.2			3.0±1.0	
ERZC05DK361		6.4			3.2±1.0	
ERZC05DK391		6.7			3.5±1.0	
ERZC05DK431		7.0			3.8±1.0	
ERZC05DK471						

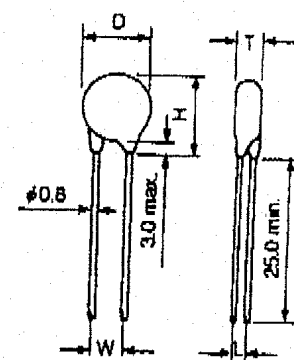
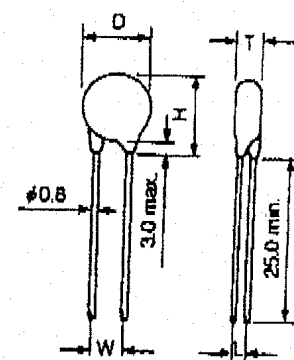
**7 Series Dimensions in mm (not to scale)**

Part No.	D max.	T max.	W	H max.	L	Shape and Dimensions
ERZC07DK180	9.0	4.5	5.0±1.0	12.0	1.3±1.0	
ERZC07DK220		4.6			1.4±1.0	
ERZC07DK270		4.7			1.5±1.0	
ERZC07DK330		4.9			1.7±1.0	
ERZC07DK390		4.8			1.7±1.0	
ERZC07DK470		4.9			1.8±1.0	
ERZC07DK560		5.0			1.9±1.0	
ERZC07DK680		5.2			2.1±1.0	
ERZC07DK820		4.8			1.8±1.0	
ERZC07DK101		4.7			1.6±1.0	
ERZC07DK121		4.8			1.8±1.0	
ERZC07DK151		5.0			2.0±1.0	
ERZC07DK201		5.2			2.0±1.0	
ERZC07DK221		5.3			2.1±1.0	
ERZC07DK241		5.4			2.2±1.0	
ERZC07DK271		5.6			2.4±1.0	
ERZC07DK361		6.2			3.0±1.0	
ERZC07DK391	6.4	3.2±1.0				
ERZC07DK431	6.7	3.5±1.0				
ERZC07DK471	7.0	3.8±1.0				

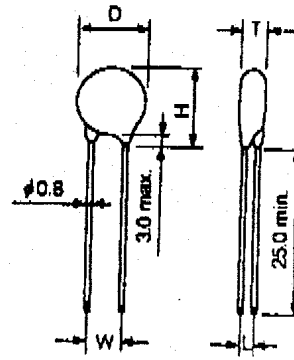
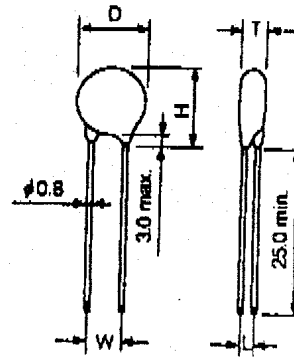

**"ZNR" Transient/Surge Absorbers  
General Purpose**

**ERZ-C(D) Series**

**10 Series Dimensions in mm (not to scale)**

Part No.	D max.	T max.	W	H max.	L	Shape and Dimensions
ERZC10DK180	13.5	4.8	7.5±1.0	16.5	1.3±1.0	
ERZC10DK220		4.7			1.4±1.0	
ERZC10DK270		4.8			1.5±1.0	
ERZC10DK330		5.0			1.7±1.0	
ERZC10DK390		5.1			1.8±1.0	
ERZC10DK470		5.0			1.7±1.0	
ERZC10DK560		5.1			1.9±1.0	
ERZC10DK680		5.3			2.2±1.0	
ERZC10DK820		5.0			1.8±1.0	
ERZC10DK101		5.1			1.8±1.0	
ERZC10DK121		5.2			2.0±1.0	
ERZC10DK151		5.5			2.2±1.0	
ERZC10DK201		5.8			2.2±1.0	
ERZC10DK221		5.7			2.3±1.0	
ERZC10DK241	5.8	2.4±1.0				
ERZC10DK271	6.1	2.6±1.0				
ERZC10DK361	14.0	6.7	7.5±1.0	17.0	3.2±1.0	
ERZC10DK391		6.8			3.4±1.0	
ERZC10DK431		7.2			3.7±1.0	
ERZC10DK471		7.5			4.0±1.0	
ERZC10DK621		7.2			3.8±1.0	
ERZC10DK881		7.5			4.1±1.0	
ERZC10DK751		7.8			4.4±1.0	
ERZC10DK781		7.9			4.5±1.0	
ERZC10DK821		8.1			4.7±1.0	
ERZC10DK911		8.6			6.2±1.0	
ERZC10DK102		9.0			6.6±1.0	
ERZC10DK112		9.5			8.1±1.0	

**14 Series Dimensions in mm (not to scale)**

Part No.	D max.	T max.	W	H max.	L	Shape and Dimensions
ERZC14DK180	17.0	4.8	7.5±1.0	20.0	1.3±1.0	
ERZC14DK220		4.7			1.4±1.0	
ERZC14DK270		4.8			1.5±1.0	
ERZC14DK330		5.0			1.7±1.0	
ERZC14DK390		5.1			1.8±1.0	
ERZC14DK470		5.0			1.7±1.0	
ERZC14DK560		5.1			1.9±1.0	
ERZC14DK680		5.3			2.2±1.0	
ERZC14DK820		5.0			1.8±1.0	
ERZC14DK101		5.1			1.8±1.0	
ERZC14DK121		5.2			2.0±1.0	
ERZC14DK151		5.5			2.2±1.0	
ERZC14DK201		5.8			2.2±1.0	
ERZC14DK221		5.7			2.3±1.0	
ERZC14DK241	5.8	2.4±1.0				
ERZC14DK271	6.1	2.6±1.0				
ERZC14DK361	17.5	6.7	7.5±1.0	20.5	3.2±1.0	
ERZC14DK391		6.8			3.4±1.0	
ERZC14DK431		7.2			3.7±1.0	
ERZC14DK471		7.5			4.0±1.0	
ERZC14DK621		7.2			3.8±1.0	
ERZC14DK681		7.5			4.1±1.0	
ERZC14DK751		7.8			4.4±1.0	
ERZC14DK781		7.9			4.5±1.0	
ERZC14DK821		8.1			4.7±1.0	
ERZC14DK911		8.6			6.2±1.0	
ERZC14DK102		9.0			6.6±1.0	
ERZC14DK112		9.5			8.1±1.0	
ERZC14DK182	14.0	15.0±1.0*	22.0	9.5±2.0		

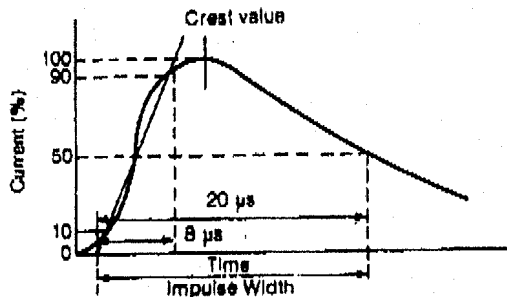
**"ZNR" Transient/Surge Absorbers  
General Purpose**

**ERZ-C(D) Series**

**20 Series Dimensions in mm (not to scale)**

Part No.	D max.	T max.	W	H max.	L	Shape and Dimensions
ERZC20DK180	23.0	5.1	10.0±10	27.0	1.5±1.0	
ERZC20DK220		5.2			1.6±1.0	
ERZC20DK270		5.3			1.7±1.0	
ERZC20DK330		5.5			1.9±1.0	
ERZC20DK390		5.5			1.9±1.0	
ERZC20DK470		5.8			1.9±1.0	
ERZC20DK560		5.7			2.1±1.0	
ERZC20DK680		5.8			2.4±1.0	
ERZC20DK820		5.5			1.8±1.0	
ERZC20DK101		5.8			2.0±1.0	
ERZC20DK121		6.7			2.2±1.0	
ERZC20DK151		5.9			2.4±1.0	
ERZC20DK201		6.0			2.4±1.0	
ERZC20DK221		6.2			2.6±1.0	
ERZC20DK241		6.3			2.7±1.0	
ERZC20DK271	6.5	2.9±1.0				
ERZC20DK361	24.0	7.2	15.0±1.0*	28.0	3.5±1.0	
ERZC20DK391		7.4			3.7±1.0	
ERZC20DK431		7.7			4.0±1.0	
ERZC20DK471		8.0			4.3±1.0	
ERZC20DK621		7.6			4.1±1.0	
ERZC20DK681		7.9			4.4±1.0	
ERZC20DK751		8.3			4.8±1.0	
ERZC20DK781		8.4			4.9±1.0	
ERZC20DK821		8.6			5.1±1.0	
ERZC20DK911		9.1			5.6±1.0	
ERZC20DK102	9.5	6.0±1.0	*W2			
ERZC20DK112	10.0	6.5±1.0				
ERZC20DK182	25.0	14.0	15.0±1.0*	30.0	9.5±2.0	

**Performance Characteristics (Electrical)**

Characteristics	Test Methods/Description	Specifications
Standard Test Condition	Environmental conditions under which every measuring is done without doubt about the measuring results. Unless specially specified, temperature, relative humidity are 5 to 35 °C, 45 to 85 % RH.	—
Varistor Voltage	The voltage between two terminals with the specified measuring current $C_m A$ DC applied is called $V_0$ or $V_{Cm A}$ . The measurement shall be made as fast as possible to avoid heat affection.	
Maximum Allowable Voltage	The maximum sinusoidal RMS voltage or maximum DC voltage that can be applied continuously in the specified environmental temperature range.	
Clamping Voltage	The maximum voltage between two terminals with the specified standard impulse current (8/20 $\mu s$ ) illustrated below applied.  	To meet the specified value.