



# TRANSIENT/SURGE ABSORBER

## TRANSIENT VOLTAGE SURGE SUPPRESSORS

### Performance Characteristics (Electrical)

Characteristics	Test Methods		Specifications		
Impulse Life (I)	The change of Vc shall be measured after the impulse listed below is applied 10,000 times continuously with the interval of ten seconds at room temperature				
	5 series	CNR-05D180K to CNR-05D680K	0.5A (2 ms)	$\Delta V_{CmA}/V_{CmA}$ $\leq \pm 10\%$	
		CNR-05D820K to CNR-05D471K	20A (8/20 $\mu$ s)		
	7 series	CNR-07D180K to CNR-07D680K	18A (8/20 $\mu$ s)		
		CNR-07D820K to CNR-07D471K	50A (8/20 $\mu$ s)		
	10 series	CNR-10D180K to CNR-10D680K	50A (8/20 $\mu$ s)		
		CNR-10D820K to CNR-10D112K	100A (8/20 $\mu$ s)		
	14 series	CNR-14D180K TO CNR-14D680K	75A (8/20 $\mu$ s)		
		CNR-14D820K TO CNR-14D182K	150A (8/20 $\mu$ s)		
	20 series	CNR-20D180K TO CNR-20D680K	120A (8/20 $\mu$ s)		
		CNR-20D820K TO CNR-20D182K	200A (8/20 $\mu$ s)		
	Impulse Life (II)	5 series	CNR-05D180K to CNR-05D680K		0.45A (2 ms)
CNR-05D820K to CNR-05D471K			14A (8/20 $\mu$ s)		
7 series		CNR-07D180K to CNR-07D680K	12A (8/20 $\mu$ s)		
		CNR-07D820K to CNR-07D471K	35A (8/20 $\mu$ s)		
10 series		CNR-10D180K to CNR-10D680K	35A (8/20 $\mu$ s)		
		CNR-10D820K to CNR-10D112K	70A (8/20 $\mu$ s)		
14 series		CNR-14D180K to CNR-14D680K	45A (8/20 $\mu$ s)		
		CNR-14D820K to CNR-14D182K	90A (8/20 $\mu$ s)		
20 series		CNR-20D180K to CNR-20D680K	55A (8/20 $\mu$ s)		
		CNR-20D820K to CNR-20D182K	100A(8/20 $\mu$ s)		

Note:

Varistor voltage change of forward direction shall be measured in the test of uni-pole surge life and DC load life.