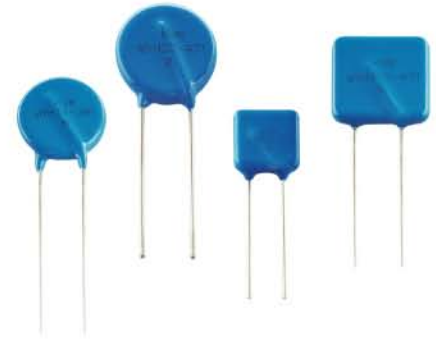


## Products Description

MYH varistors are designed for electronic circuit for high surge withstanding capacity, which have standard electrode with PCB. With the same product dimensions, it can handle greater surge than MYG series. It is widely used in various fields of computer, power supply, communication, network, railway, generator control, etc.



## Construction and Features:

- Construction: Round or quadrate varistors element, Leaded and coated;
- Coating materials: Epoxy resin, flame retardant to UL94V-0;
- Terminals: Tinned copper wire;
- Package: Bulk, Reel or Ammopack.

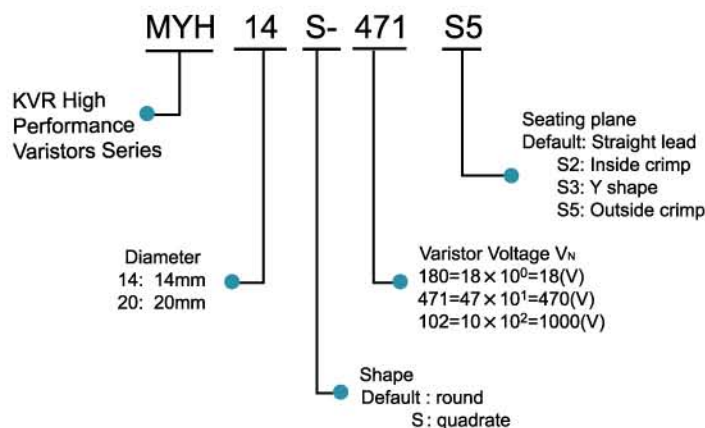
## Key Characteristic Parameters:

Max AC Operating Voltage	$V_{RMS}(V)$	130~320
Max Energy Absorption	$W_{max}(J)$	45~255
Peak Current (8/20 $\mu$ s)	$I_{max}(kA)$	8~15
MOV Diameter	$D(mm)$	14~20

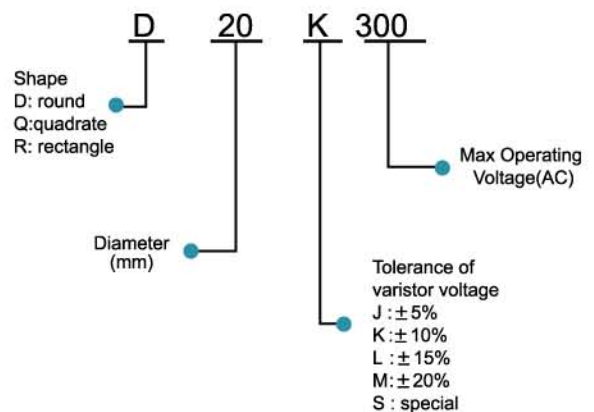
## Technical Data:

Characteristics	Parameters	Standards
Climatic Category	40/85/56	
LCT	-40 $^{\circ}C$	
UCT	+85 $^{\circ}C$	IEC68-2-3
Operating Temperature	-40 $^{\circ}C$ ~ +85 $^{\circ}C$	CECC 42 000
Storage Temperature	-40 $^{\circ}C$ ~ +125 $^{\circ}C$	
Electric Strength	> 2500V(AC)	CECC 42 000
Insulation Resistance	> 10M $\Omega$	CECC 42 000
Response Time	<25 ns	

## Type Designation:

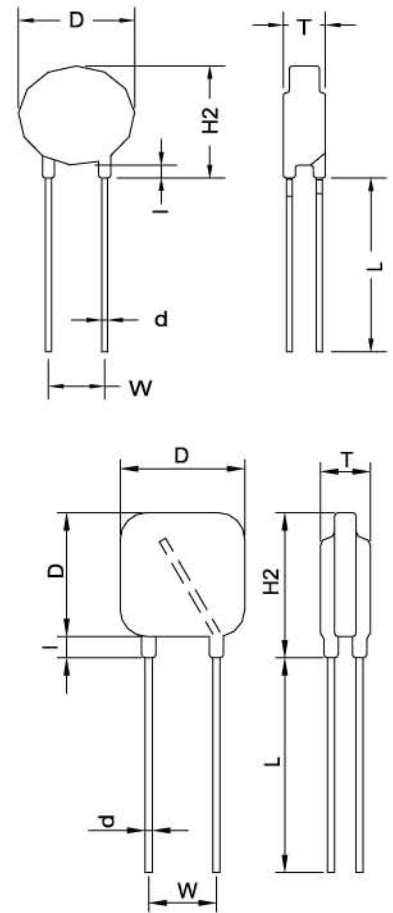


## Material Code Designation:

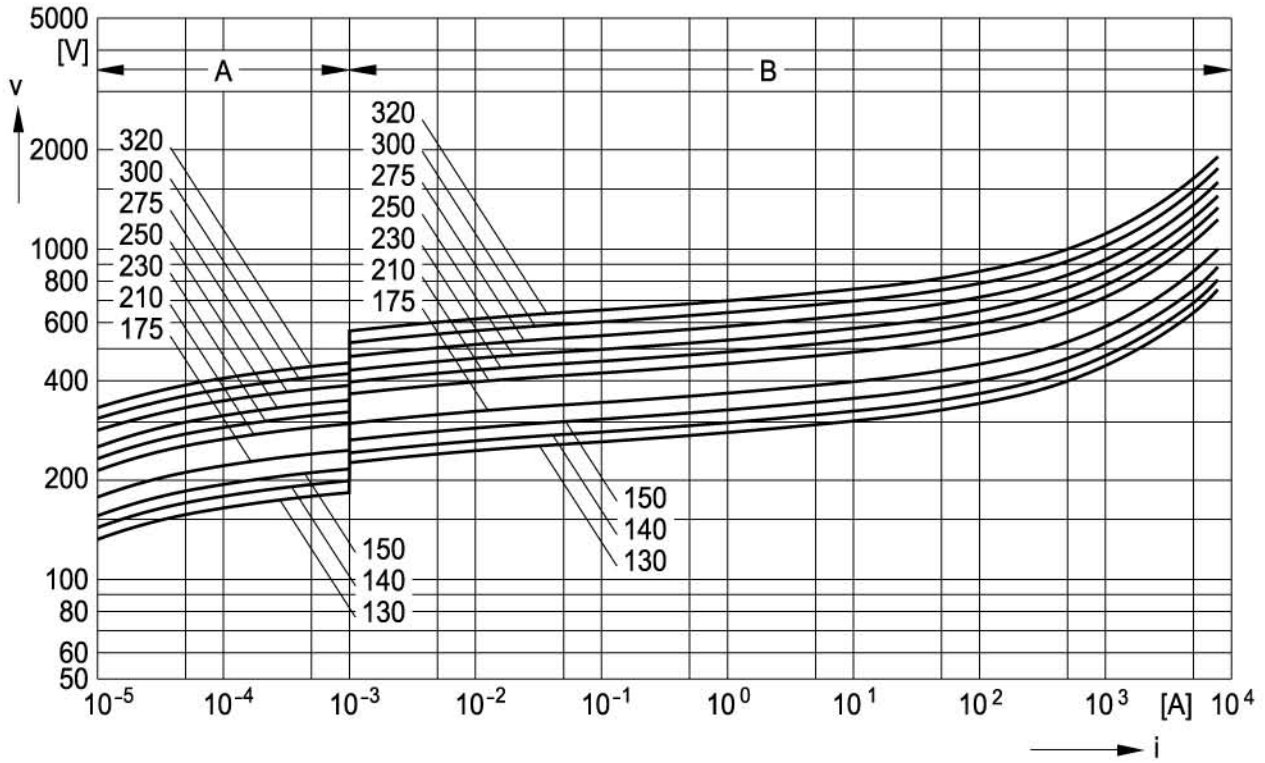


Type	Material code	Characteristics TA = +25 °C					Maximum ratings T =+85 C					V/I Characteristic curve	Derating Curve
		Varistor voltage	Tolerance	Clamping voltage at Ip (8/20µs)		Capacitance (1kHz)	Max continuous operating voltage		Max energy absorption (2ms)	Peak current (8/20µs)	Max power rating		
				VN (V)	ΔVN (± %)		VP (V)	Ip (A)				C (pF)	VRMS (V)
MYH14-201	D14K130	205	10	340	50.0	1150	130	170	45	8000	0.6	34	35
MYH20-201	D20K130	205	10	340	100.0	2300	130	170	90	12000	1.0	34	35
MYH14S-201	Q14K130	205	10	340	65.0	980	130	170	75	8000	0.6	34	35
MYH20S-201	Q20K130	205	10	340	130.0	1950	130	170	100	15000	1.0	34	36
MYH14-221	D14K140	220	10	360	50.0	1100	140	180	50	8000	0.6	34	35
MYH20-221	D20K140	220	10	360	100.0	2200	140	180	100	12000	1.0	34	35
MYH14S-221	Q14K140	220	10	360	65.0	900	140	180	80	8000	0.6	34	35
MYH20S-221	Q20K140	220	10	360	130.0	1800	140	180	110	15000	1.0	34	36
MYH14-241	D14K150	240	10	395	50.0	1050	150	200	55	8000	0.6	34	35
MYH20-241	D20K150	240	10	395	100.0	2200	150	200	110	12000	1.0	34	35
MYH14S-241	Q14K150	240	10	395	65.0	830	150	200	85	8000	0.6	34	35
MYH20S-241	Q20K150	240	10	395	130.0	1650	150	200	120	15000	1.0	34	36
MYH14-271	D14K175	270	10	455	50.0	1000	175	225	60	8000	0.6	34	35
MYH20-271	D20K175	270	10	455	100.0	2100	175	225	120	12000	1.0	34	35
MYH14S-271	Q14K175	270	10	455	65.0	750	175	225	100	8000	0.6	34	35
MYH20S-271	Q20K175	270	10	455	130.0	1500	175	225	135	15000	1.0	34	36
MYH14-331	D14K210	330	10	550	50.0	850	210	275	70	8000	0.6	34	35
MYH20-331	D20K210	330	10	550	100.0	1750	210	275	140	12000	1.0	34	35
MYH14S-331	Q14K210	330	10	550	65.0	600	210	275	115	8000	0.6	34	35
MYH20S-331	Q20K210	330	10	550	130.0	1200	210	275	165	15000	1.0	34	36
MYH14-361	D14K230	360	10	595	50.0	850	230	300	80	8000	0.6	34	35
MYH20-361	D20K230	360	10	595	100.0	1700	230	300	160	12000	1.0	34	35
MYH14S-361	Q14K230	360	10	595	65.0	550	230	300	130	8000	0.6	34	35
MYH20S-361	Q20K230	360	10	595	130.0	1100	230	300	180	15000	1.0	34	36
MYH14-391	D14K250	390	10	650	50.0	800	250	320	100	8000	0.6	34	35
MYH20-391	D20K250	390	10	650	100.0	1400	250	320	170	12000	1.0	34	35
MYH14S-391	Q14K250	390	10	650	65.0	500	250	320	140	8000	0.6	34	35
MYH20S-391	Q20K250	390	10	650	130.0	1000	250	320	195	15000	1.0	34	36
MYH14-431	D14K275	430	10	710	50.0	650	275	350	110	8000	0.6	34	35
MYH20-431	D20K275	430	10	710	100.0	1350	275	350	190	12000	1.0	34	35
MYH14S-431	Q14K275	430	10	710	65.0	470	275	350	150	8000	0.6	34	35
MYH20S-431	Q20K275	430	10	710	130.0	930	275	350	215	15000	1.0	34	36
MYH14-471	D14K300	470	10	775	50.0	550	300	385	120	8000	0.6	34	35
MYH20-471	D20K300	470	10	775	100.0	1200	300	385	210	12000	1.0	34	35
MYH14S-471	Q14K300	470	10	775	65.0	430	300	385	175	8000	0.6	34	35
MYH20S-471	Q20K300	470	10	775	130.0	850	300	385	235	15000	1.0	34	36
MYH14-511	D14K320	510	10	840	50.0	450	320	410	130	8000	0.6	34	35
MYH20-511	D20K320	510	10	840	100.0	1050	320	410	220	12000	1.0	34	35
MYH14S-511	Q14K320	510	10	840	65.0	390	320	410	185	8000	0.6	34	35
MYH20S-511	Q20K320	510	10	840	130.0	780	320	410	255	15000	1.0	34	36

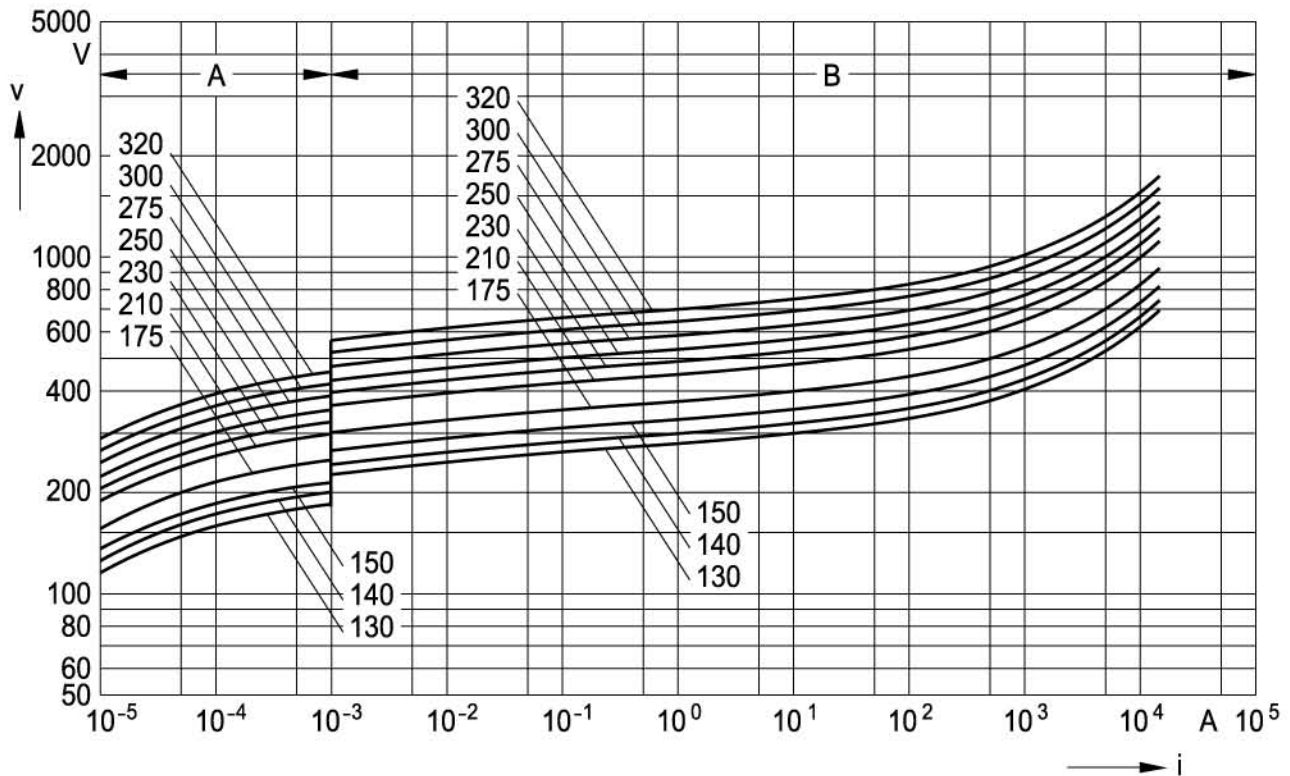
Type	Dimensions							Certification			
	D <sub>max</sub> (mm)	H <sub>2max</sub> (mm)	T <sub>max</sub> (mm)	W±1.0 (mm)	L <sub>min</sub> (mm)	l <sub>max</sub> (mm)	d±0.05 (mm)	CE	UL	VDE	SP
MYH14-201	17.5	20	4.6	7.5	25.0	3.0	0.8				
MYH20-201	25.0	25	5.0	10.0	25.0	3.0	1.0				
MYH14S-201	17.5	20	5.0	7.5	25.0	3.0	0.8				
MYH20S-201	23.5	25	5.0	10.0	25.0	3.0	1.0				
MYH14-221	17.5	20	4.7	7.5	25.0	3.0	0.8				
MYH20-221	25.0	25	5.1	10.0	25.0	3.0	1.0				
MYH14S-221	17.5	20	5.1	7.5	25.0	3.0	0.8				
MYH20S-221	23.5	25	5.1	10.0	25.0	3.0	1.0				
MYH14-241	17.5	20	4.8	7.5	25.0	3.0	0.8				
MYH20-241	25.0	25	5.2	10.0	25.0	3.0	1.0				
MYH14S-241	17.5	20	5.2	7.5	25.0	3.0	0.8				
MYH20S-241	23.5	25	5.2	10.0	25.0	3.0	1.0				
MYH14-271	17.5	20	4.9	7.5	25.0	3.0	0.8				
MYH20-271	25.0	25	5.3	10.0	25.0	3.0	1.0				
MYH14S-271	17.5	20	5.3	7.5	25.0	3.0	0.8				
MYH20S-271	23.5	25	5.3	10.0	25.0	3.0	1.0				
MYH14-331	17.5	20	5.0	7.5	25.0	3.0	0.8				
MYH20-331	25.0	25	5.4	10.0	25.0	3.0	1.0				
MYH14S-331	17.5	20	5.4	7.5	25.0	3.0	0.8				
MYH20S-331	23.5	25	5.4	10.0	25.0	3.0	1.0				
MYH14-361	17.5	20	5.5	7.5	25.0	3.0	0.8				
MYH20-361	25.0	25	5.9	10.0	25.0	3.0	1.0				
MYH14S-361	17.5	20	5.9	7.5	25.0	3.0	0.8				
MYH20S-361	23.5	25	5.9	10.0	25.0	3.0	1.0				
MYH14-391	17.5	20	5.7	7.5	25.0	3.0	0.8				
MYH20-391	25.0	25	6.1	10.0	25.0	3.0	1.0				
MYH14S-391	17.5	20	6.1	7.5	25.0	3.0	0.8				
MYH20S-391	23.5	25	6.1	10.0	25.0	3.0	1.0				
MYH14-431	17.5	20	5.9	7.5	25.0	3.0	0.8				
MYH20-431	25.0	25	6.3	10.0	25.0	3.0	1.0				
MYH14S-431	17.5	20	6.3	7.5	25.0	3.0	0.8				
MYH20S-431	23.5	25	6.3	10.0	25.0	3.0	1.0				
MYH14-471	17.5	20	6.2	7.5	25.0	3.0	0.8				
MYH20-471	25.0	25	6.6	10.0	25.0	3.0	1.0				
MYH14S-471	17.5	20	6.6	7.5	25.0	3.0	0.8				
MYH20S-471	23.5	25	6.6	10.0	25.0	3.0	1.0				
MYH14-511	17.5	20	6.4	7.5	25.0	3.0	0.8				
MYH20-511	25.0	25	6.8	10.0	25.0	3.0	1.0				
MYH14S-511	17.5	20	6.8	7.5	25.0	3.0	0.8				
MYH20S-511	23.5	25	6.8	10.0	25.0	3.0	1.0				



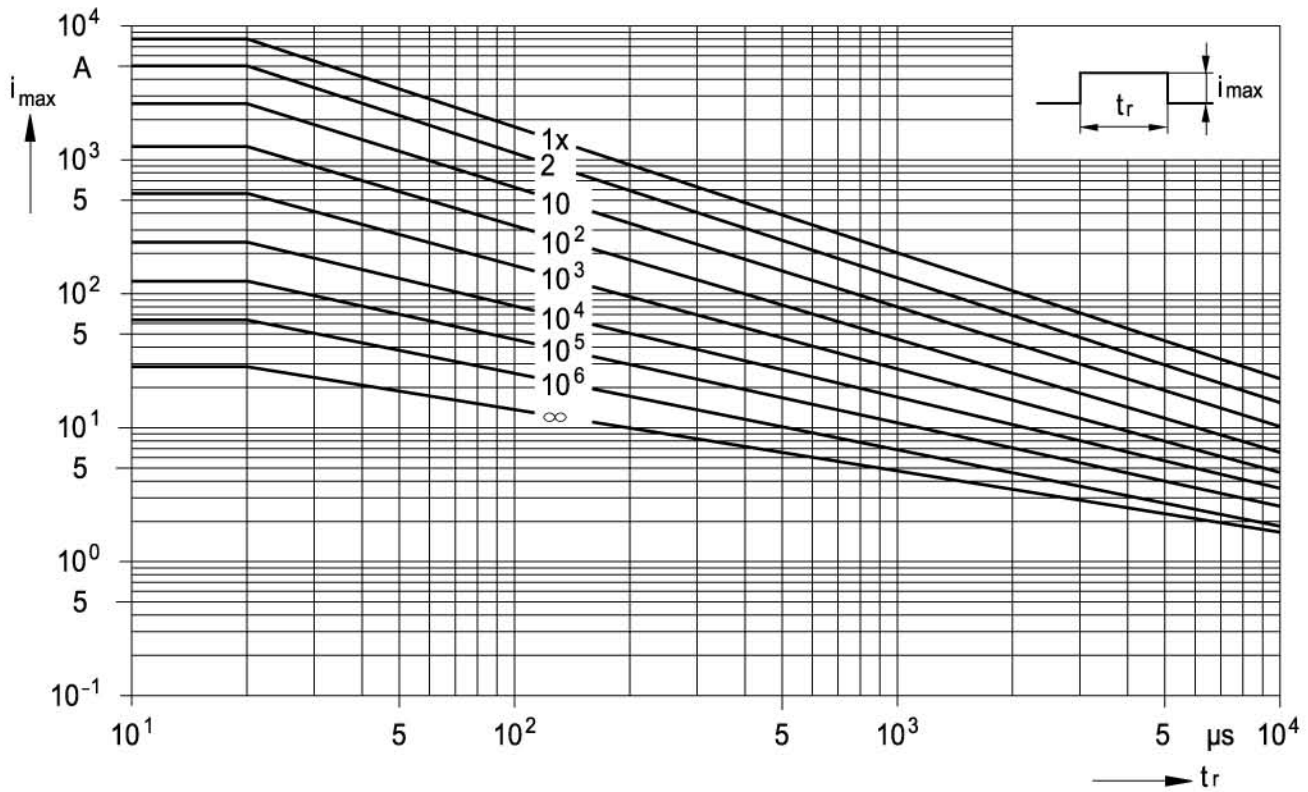
D14K130~D14K320 V/I Characteristics Curve  
 Q14K130~Q14K320



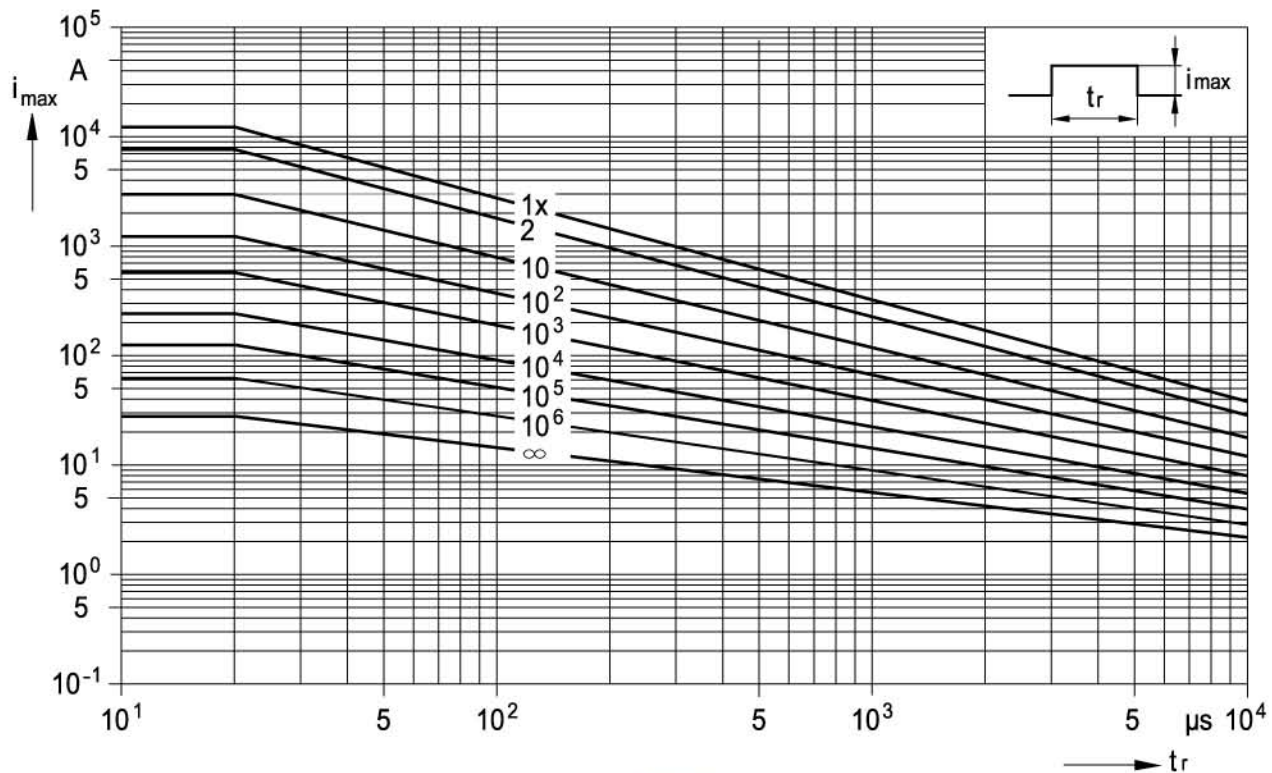
D20K130~D20K320 V/I Characteristics Curve  
 Q20K130~Q20K320



## D14K130~D14K320 Q14K130~Q14K320 Derating Curve



## D20K130~D20K320 Derating Curve



## Q20K130~Q20K320 Derating Curve

