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## 20KPA68CA - 20KPA Series



Series: 20KPA

[TVS Diodes 20KPA Datasheet](#)

The 20KPA Series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

- Halogen-Free and RoHS compliant
- Typical maximum temperature coefficient  $\Delta V_{BR} = 0.1\% - V_{BR}@25^{\circ}C$
- Glass passivated chip junction in P600 package
- 20000W peak pulse capability at 10—1000 $\mu$ s waveform, repetition rate (duty cycles):0.01%
- Fast response time: typically less than 1.0ps from 0 Volts to BV min
- Excellent clamping capability
- Low incremental surge resistance
- Typical IR less than 2 $\frac{1}{2}$ A above 49V
- High temperature soldering guaranteed: 265°C./10 seconds/ 0.375" (9.5mm) lead length, 51bs., (2.3kg) tension
- Plastic package has Underwriters Laboratory Flammability classification 94V-0
- Matte Tin Lead-free plated

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Electrical Characteristics	Technical Resources	Environmental Info
<b>Property</b> (Mouseover for details)	<b>Value</b>	
Reverse Standoff Voltage ( $V_R$ ) ( $V_{SO}$ )	68	
Watts (W)	20000	
Peak Pulse Current (Ipp) 10x1000 (A)	183.6	
Breakdown Voltage (MIN $V_{BR}@I_T$ ) (V)	76	
$I_r@V_{SO}$ ( $\mu$ A)	2	
On-State Current ( $I_T$ ) (mA)	5	
Max Temperature (deg C)	150	
Max Clamp Voltage ( $V_c$ ) (V)	110	

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