

**TVS Diodes - 15000 Watt Specifications - 15KP Series Electrical Characteristics**

Part Number*	Rated Standoff Voltage V <sub>wm</sub> (Volts)	Breakdown Voltage		Maximum Stand By Current @V <sub>wm</sub> + I <sub>d</sub> ( $\mu$ A)	10/1000 $\mu$ s Maximum Clamping Voltage @I <sub>ppm</sub> # V <sub>c</sub> Max (Volts)	10/1000 $\mu$ s Rated Peak Impulse Current I <sub>ppm</sub> # (Amperes)
		V <sub>br</sub> (Volts)				
		Min	@I <sub>t</sub> (mA)			
15KP30	30	33.3	5	15	56.2	267.0
15KP30A	30	33.3	5	15	50.7	296.0
15KP33	33	36.7	5	10	60.6	248.0
15KP33A	33	36.7	5	10	54.8	274.0
15KP36	36	40.0	5	10	66.0	227.0
15KP36A	36	40.0	5	10	59.7	251.0
15KP40	40	44.4	5	10	72.8	206.0
15KP40A	40	44.4	5	10	65.8	228.0
15KP43	43	47.8	5	10	77.1	195.0
15KP43A	43	47.8	5	10	69.7	215.0
15KP45	45	50.0	5	10	80.7	186.0
15KP45A	45	50.0	5	10	73.0	205.0
15KP48	48	53.3	5	10	85.9	175.0
15KP48A	48	53.3	5	10	77.7	193.0
15KP51	51	56.7	5	10	91.5	164.0
15KP51A	51	56.7	5	10	82.8	181.0
15KP54	54	60.0	5	10	96.8	155.0
15KP54A	54	60.0	5	10	87.5	171.0

\* = Add "C" or "CA" suffix for bidirectional device types.

# = See General Information for Impulse Current Waveform.

**TVS Diodes - 15000 Watt Specifications - 15KP Series Electrical Characteristics - (Continued)**

Part Number*	Rated Standoff Voltage V <sub>wm</sub> (Volts)	Breakdown Voltage		Maximum Stand By Current @V <sub>wm</sub> + I <sub>d</sub> ( $\mu$ A)	10/1000 $\mu$ s Maximum Clamping Voltage @I <sub>ppm</sub> # V <sub>c</sub> Max (Volts)	10/1000 $\mu$ s Rated Peak Impulse Current I <sub>ppm</sub> # (Amperes)
		V <sub>br</sub> (Volts)	@I <sub>t</sub>			
		Min	(mA)			
15KP58	58	64.4	5	10	104.0	144.0
15KP58A	58	64.4	5	10	94.0	160.0
15KP60	60	66.7	5	10	107.0	140.0
15KP60A	60	66.7	5	10	97.3	154.0
15KP64	64	71.1	5	10	115.0	130.0
15KP64A	64	71.1	5	10	104.0	144.0
15KP70	70	77.8	5	10	126.0	119.0
15KP70A	70	77.8	5	10	114.0	132.0
15KP75	75	83.3	5	10	135.0	111.0
15KP75A	75	83.3	5	10	122.0	123.0
15KP78	78	86.7	5	10	140.0	107.0
15KP78A	78	86.7	5	10	126.0	119.0
15KP85	85	94.4	5	10	152.0	99.0
15KP85A	85	94.4	5	10	137.0	109.0
15KP90	90	100.0	5	10	160.0	94.0
15KP90A	90	100.0	5	10	146.0	103.0
15KP100	100	111.0	5	10	179.0	84.0
15KP110	110	122.0	5	10	196.0	77.0
15KP120	120	133.0	5	10	214.0	70.0
15KP130	130	144.0	5	10	231.0	65.0
15KP150	150	167.0	5	10	268.0	56.0
15KP160	160	178.0	5	10	287.0	52.0
15KP170	170	189.0	5	10	304.0	49.0
15KP180	180	200.0	5	10	321.0	47.0
15KP200	200	222.0	5	10	356.0	42.0

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## TVS Diodes - 15000 Watt - 15KP Series Features

### 15KP Series Features

- 15000 watt peak pulse power dissipation
- Available in voltages from 30V to 200V
- Unidirectional and Bidirectional
- Glass passivated junction
- Low clamping factor
- Each device 100% surge tested
- Available in bulk or tape and reel (Reel quantity = 1,000 pieces)
- UL 497B Recognized, File # E135015
- Tape and Reel to EIA Standard RS-296-E

### Absolute Maximum Ratings

- Peak pulse power dissipation (Pppm) at 25°C..... 15000W
- Steady state power dissipation at lead temperature = 75°C (Lead length 3/8" min.)..... 5W
- Operating and storage temperatures..... -65°C to + 175°C

### Mechanical Dimensions

