

## Features

- For Surface Mount Applicationsin in Order to Optimize Board Space
- Low Profile Package
- Fast Response Time: Typical Less Than 1.0ps From 0 Volts to  $\mathrm{V}_{\mathrm{BR}}$  Minimum
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating

### **Mechanical Data**

- Polarity: Color Band Denotes Positive end (cathode) Except Bidirectional
- Maximum Soldering Temperature: 260°C for 10 Seconds
- Case:JEDEC DO-214AC
- Terminals: Solderable Per MIL-STD-750, Method 2026

## **Maximum Ratings**

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C
- Typical Thermal Resistance: 100°C/W Junction to Ambient

Peak Pulse Power Surge Current with a 10/1000µs Waveform	I <sub>PP</sub>	1A	Note 1	
Peak Pulse Power Dissipation	P <sub>PP</sub>	400W	Note 1	

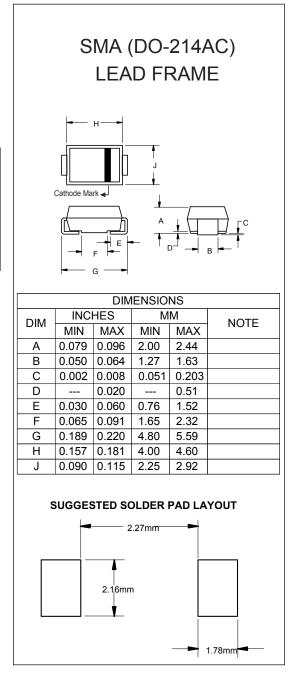
#### Note:

1. Non-repetitive current pulse, per Fig.3 and derated above  $T_A$ =25 °C per Fig.2.

Pin Configuration:



# 400 Watt TVS 220 to 350 Volts



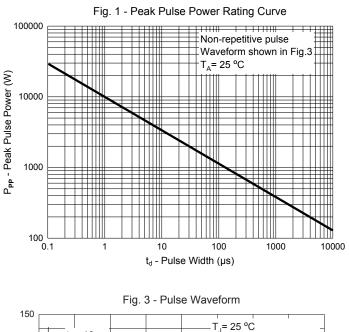


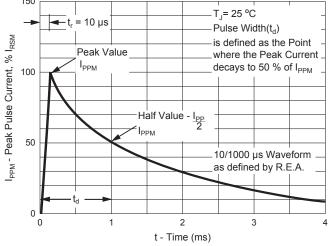
## Electrical Characteristics @ 25°C Unless Otherwise Specified

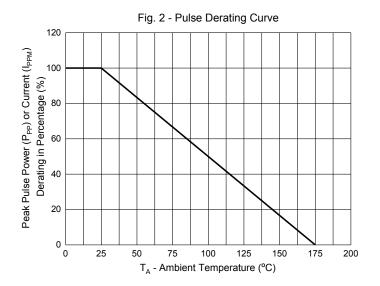
MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V <sub>WM</sub>	BREAKDOWN VOLTAGE V <sub>(BR)</sub> @ I <sub>T</sub> (VOLTS)		MAXIMUM CLAMPING VOLTAGE @ I <sub>PP</sub>	PEAK PULSE CURRENT I <sub>PP</sub>	MAXIMUM REVERSE LEAKAGE @V <sub>WM</sub> I <sub>D</sub>	MARKING CODE	
	(VOLTS)	MIN	MAX	I <sub>⊤</sub> (mA)	(VOLTS)	(AMPS)	μA	
SMAJP4KE220AL	185	209	231	1	328	1.3	1	220AL
SMAJP4KE250AL	214	237	263	1	344	1.2	1	250AL
SMAJP4KE300AL	256	285	315	1	414	1.0	1	300AL
SMAJP4KE350AL	300	332	368	1	482	0.9	1	350AL



## **Curve Characteristics**









## **Ordering Information**

Device	Packing		
Part Number-TP	Tape&Reel:5Kpcs/Reel		

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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