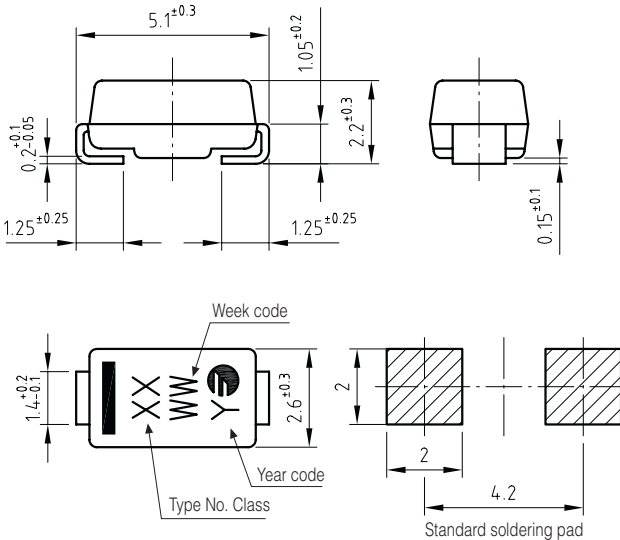



400 W Bidirectional Surface Mounted Transient Voltage Suppressor Diode

<p>Dimensions in mm.</p> <p style="text-align: center;">CASE: SMA/DO-214AC</p> 	<p style="text-align: center;">Power 400 W/ms</p> <p style="text-align: center;"></p> <ul style="list-style-type: none"> • Glass passivated junction • Response time typically < 1ns • The plastic material carries UL 94 V-0 • Low profile package • Easy pick and place • High temperature soldering 260 °C 10 sec <p>MECHANICAL DATA Terminals: Solder plated, solderable per IEC 68-2-20. Standard Packaging: 4 mm. tape (EIA-RS-481). Weight: 0.064 g.</p>
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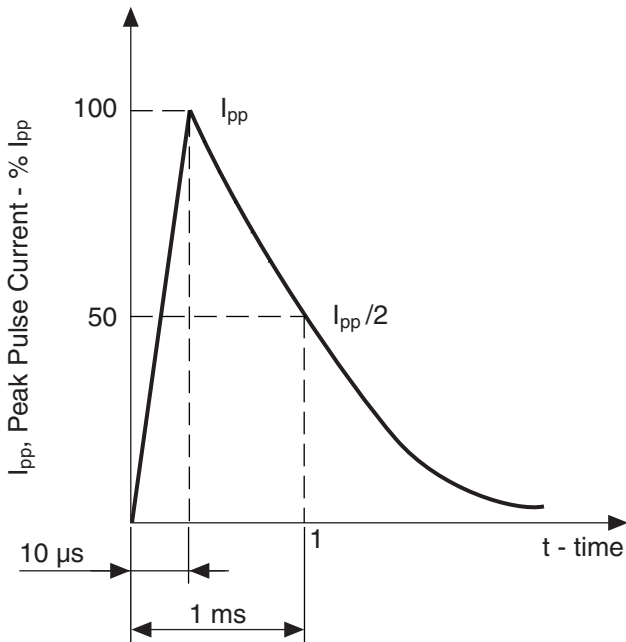
Maximum Ratings and Electrical Characteristics at 25 °C

P_{PPM}	Peak Pulse Power Dissipation with 10/1000 μ s exponential pulse	400 W
T_J	Operating Junction Temperature Range	- 65 to + 175 °C
T_{STG}	Storage Temperature Range	- 65 to + 175 °C

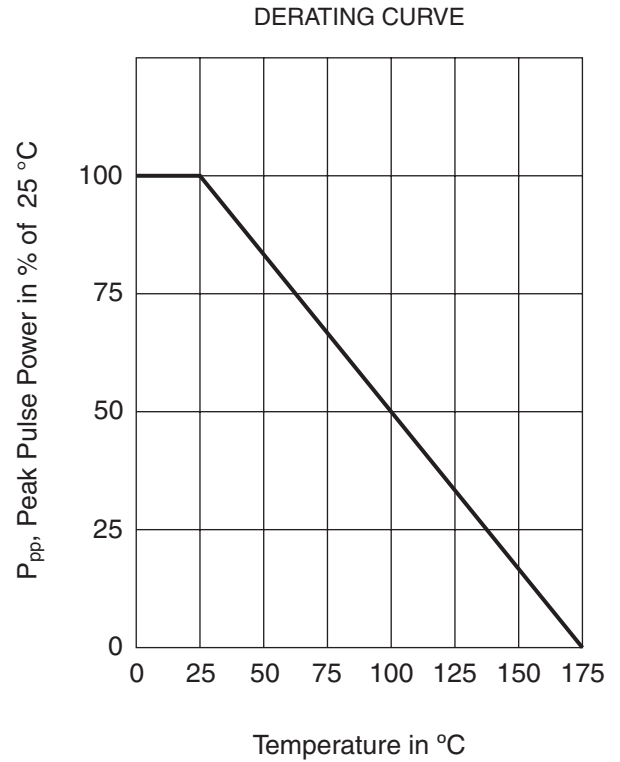
Type		Maximum Reverse Leakage Current		(1) Breakdown Voltage				Max. Clamping Voltage	
		I_{RM} at V_{RM}	V_{RM}	V_{BR} at I_R			V_{CL} at I_{pp} max. 1ms. Expo.	I_{pp}	
Bidirectional	Marking Code	(μ A)	(V)	Min.	Nom.	Max.	(mA)	(V)	(A)
P4SMA18CA	CC	5	15.3	17.1	18	18.9	1	25.5	17
P4SMA27CA	SE	5	23	25.7	27	28.4	1	37.5	10.9
P4SMA33CA	SI	5	28.2	31.4	33	34.7	1	45.7	9
P4SMA36CA	SK	5	30.8	34.2	36	37.8	1	49.9	8
P4SMA39CA	SM	5	33.3	37.1	39	41	1	53.9	7.4
P4SMA51CA	CA	5	43.6	48.5	51	53.6	1	70.1	5.7
P4SMA56CA	CB	5	47.8	53.2	56	58.8	1	77.0	5.2
P4SMA62CA	CI	5	53	58.9	62	65.1	1	85.0	4.7
P4SMA68CA	UY	5	58.1	64.6	68	71.4	1	92.0	4.3
P4SMA100CA	CJ	5	85	94.0	100	106	1	137.0	2.9

(1) Tested with pulses.
Pulse test: t_p - 50 ms; d < 2%

Rating and Characteristic Curves



Pulse wave form 10/1000



Temperature in °C

