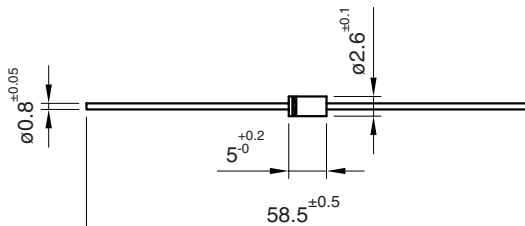



400W Unidirectional Transient Voltage Suppressor Diodes

<p>Dimensions in mm.</p>  <p style="text-align: right;">DO-41 (Plastic)</p> <p>Mounting instructions</p> <ol style="list-style-type: none"> 1. Min. distance from body to soldering point, 4 mm. 2. Max. solder temperature, 350 °C. 3. Max. soldering time, 3.5 sec. 4. Do not bend lead at a point closer than 2 mm. to the body. 	<p>Peak Pulse Power Rating At 1ms. Exp. 400 W</p> 
	<ul style="list-style-type: none"> • Glass passivated junction • Low Capacitance AC signal protection • Response time typically < 1 ns. • Molded case • The plastic material carries U/L recognition 94 V-0 • Terminal: Axial leads

Maximum Ratings, According to IEC Publication No. 134

P_{pp}	Peak pulse power with 10/1000 μ s exponential pulse	400 W
T_j	Operating temperature range	- 55 to + 175 °C
T_{stg}	Storage temperature range	- 55 to + 175 °C
$P_{M(AV)}$	Steady state Power dissipation (l = 10 mm)	1 W

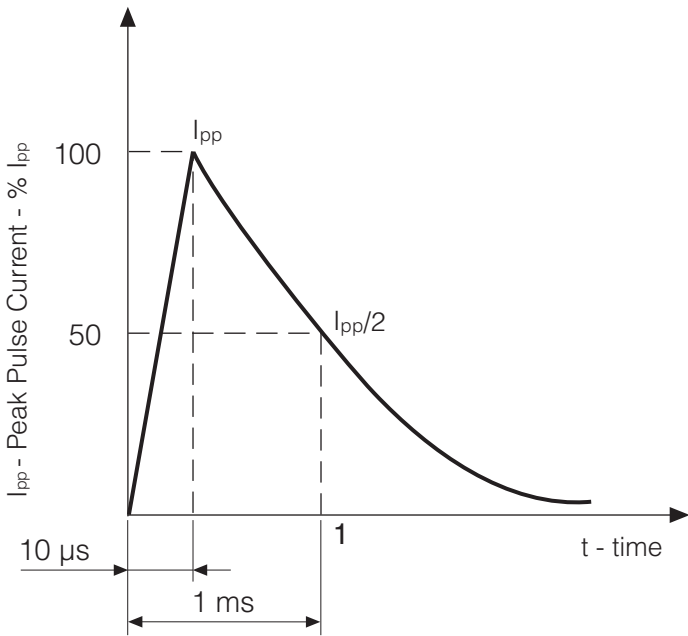
Electrical Characteristics at Tamb = 25 °C

R_{thj-a}	Max. thermal resistance (l = 10 mm.)	60 °C/W
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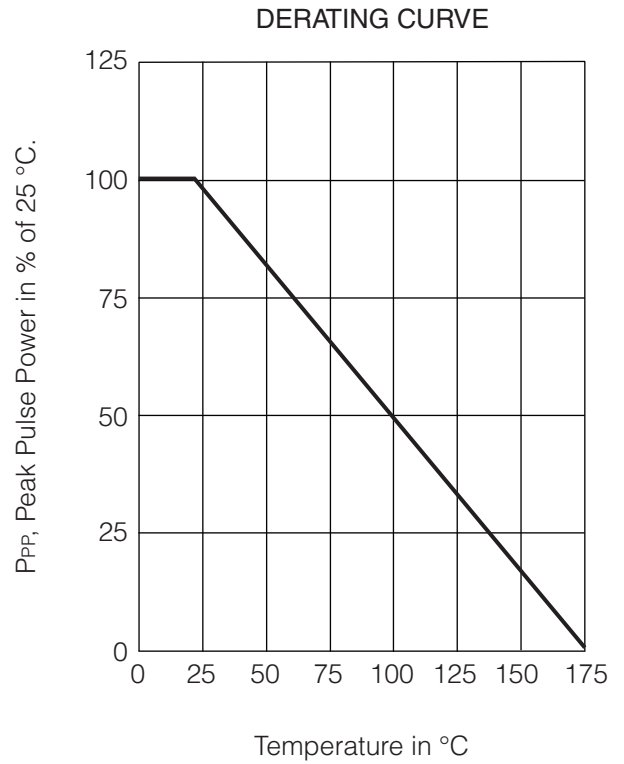
Type	Maximum Reverse Leakage Current		(1) Breakdown Voltage				Max. Clamping Voltage	
	I_{RM} at	V_{RM}	V_{BR} at	I_R		V_{CL} at	I_{pp}	
Unidirectional	(μ A)	(V)	Min.	Nom.	Max.	(mA)	(V)	(A)
BZW04P-15	5.0	15.3	17.1	18	18.9	1	25.2	16
BZW04P-28	5.0	28.2	31.4	33	34.7	1	45.7	8.8
BZW04P-31	5.0	30.8	34.2	36	37.8	1	49.9	8.0
BZW04P-102	5.0	102	114	120	126	1	165	2.4
BZW04P-256	5.0	256	285	300	315	1	414	1.2

(1): Tested with pulses.
Pulse test: $t_p \leq ms$; $\delta < 2\%$

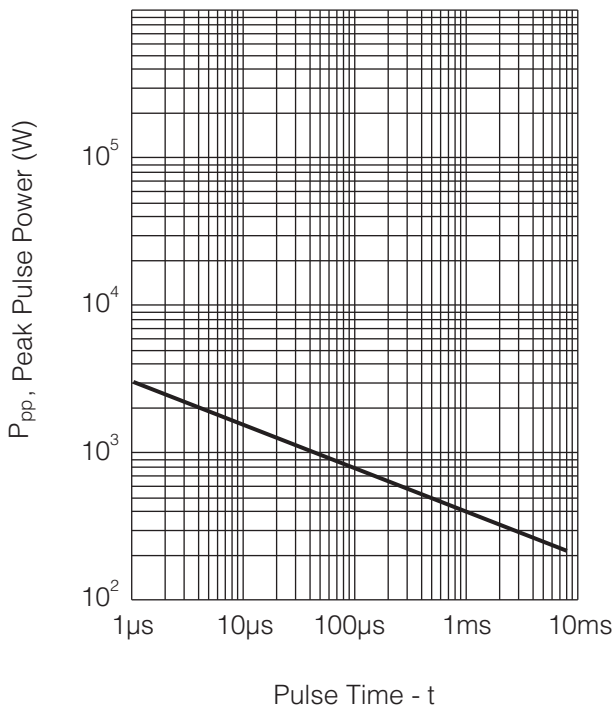
Rating And Characteristic Curves



Pulse wave form 10/1000



PEAK PULSE POWER RATING CURVE



TYPICAL JUNCTION CAPACITANCE

