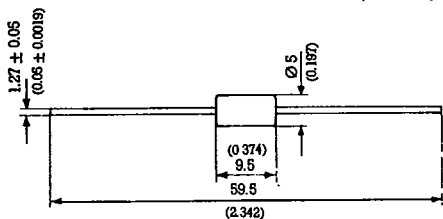


Bidirectional Transient Suppressor Diodes

Dimensions in mm. (inches)

DO-27A
 (Plastic)

Mounting instructions

1. Min. distance from body to soldering point, 4 mm.
2. Max. solder temperature, 300°C.
3. Max. soldering time, 3,5 sec.
4. Do not bend lead at a point closer than 3 mm. to the body.

**Peak Pulse
 Power Rating
 At 1ms. Exp.**
700 W
**Reverse
 stand-off
 Voltage**
9 + 110 V

- Low Capacitance AC signal protection
- Molded case
- Diffused junction
- The plastic material carries U/L recognition 94V-0
- Terminals: Axial leads

Maximum Ratings, according to IEC publication No. 134

P_{pp}	Peak pulse power for 1 msec. exponential pulse	700 W
I_{FSM}	Non repetitive surge peak forward current ($t = 10$ msec.)	—
T_j	Junction temperature	175°C
T_{stg}	Storage temperature	- 65 + 175°C

Electrical Characteristics at $T_{amb} = 25^\circ\text{C}$

V_F	Max. Forward voltage drop at $I_F =$	—
R_{thj-a}	Max. Thermal resistance ($l = 10$ mm.)	30°C/W

FAGOR

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3459325 FAGOR ELECTRONICS

ZZ

98D 00260

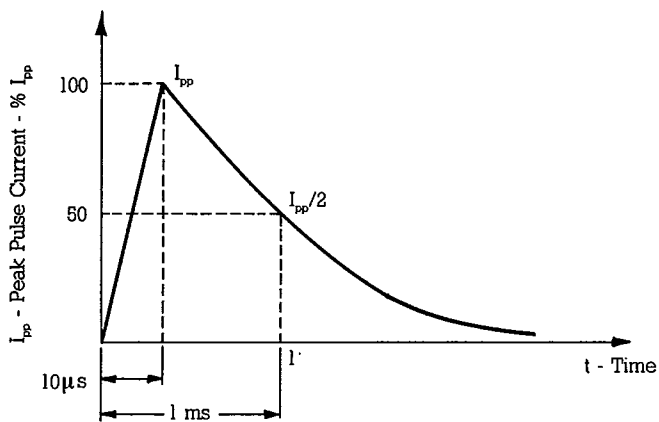
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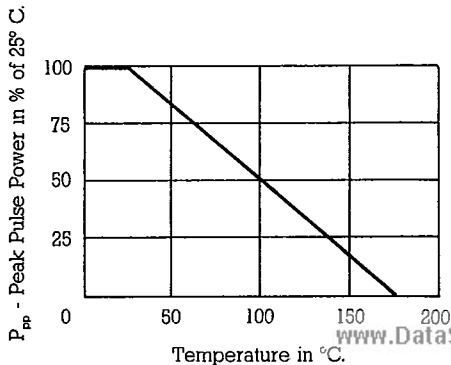
Type	Maximum Reverse Leakage Current		Breakdown Voltage			at I_R (mA)	Máx. Clamping Voltage	
	I_{RM} (μA)	at V_{RM} (V)	$V_{(BR)}$ (V)				$V_{(CL)}$ (V)	at I_{TP} max. 1 ms. Expo. (A)
Bidirectional	(μA)	(V)	Min.	Nom.	Max.	(mA)	(V)	(A)
ZZ- 12	5	9	10	12	14	5	18	40
ZZ- 18	5	10	13	16	19	5	25	30
ZZ- 22	5	13.2	18	22	26	5	33	21
ZZ- 36	5	25	29.6	36	43.5	5	53	13
ZZ- 62	5	42	50	62	75	5	90	8
ZZ- 78	5	45	63	75	87	5	110	6.3
ZZ- 91	5	54.6	76	91	106	5	132	5.3
ZZ-110	5	66	92	110	128	5	162	4.3
ZZ-160	5	110	130	160	200	5	235	3

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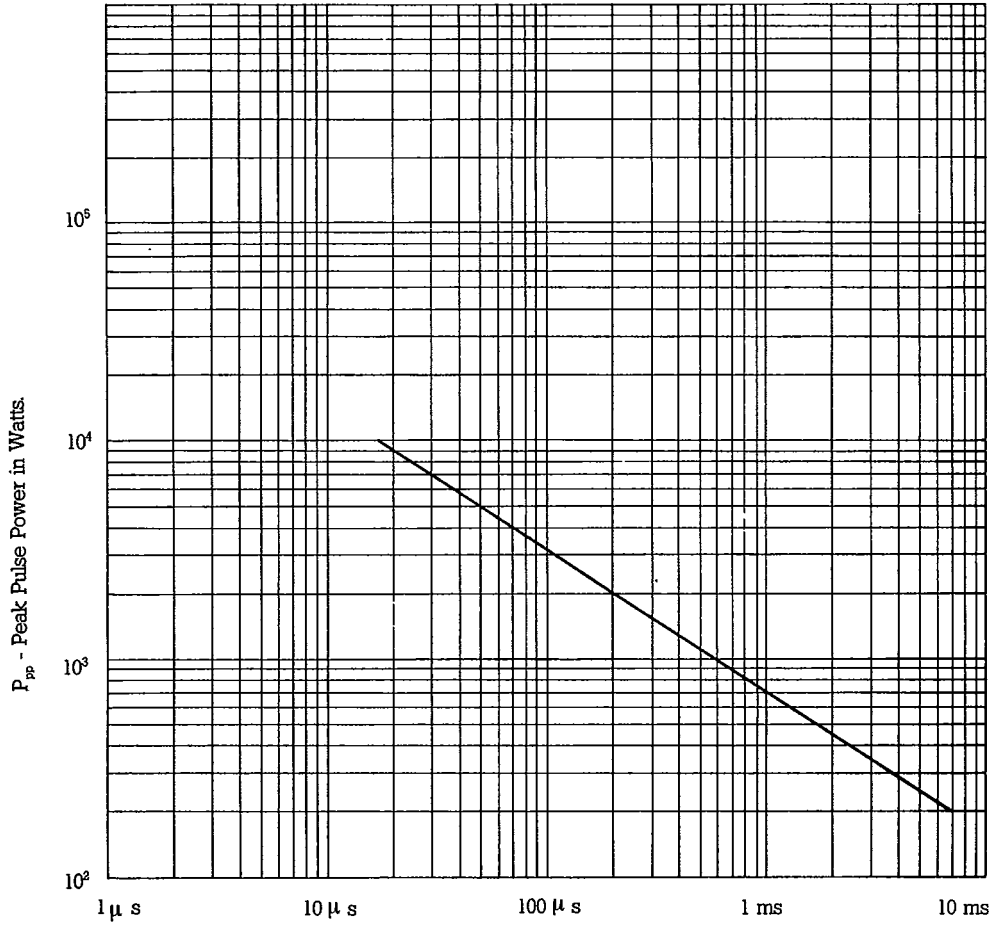
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Pulse wave form 10/1000

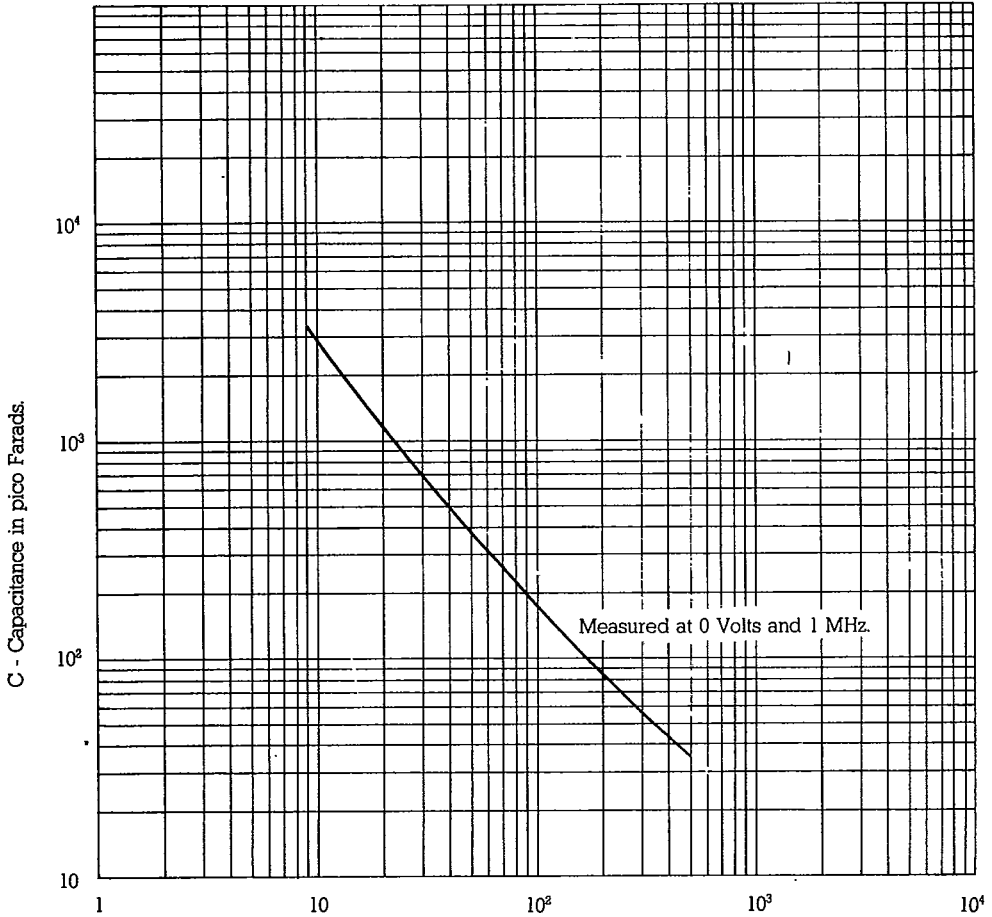


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Pulse time - t
Peak Pulse Power vs Pulse Time

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T-11-2.

