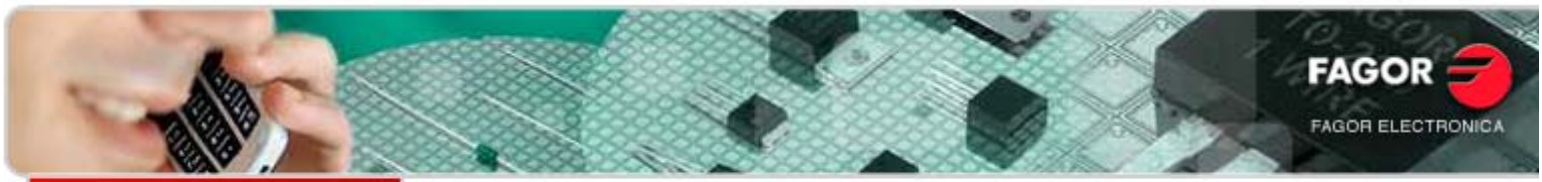


Product: Ultrafast Recovery Rectifiers

FAGOR ELECTRONICA's Ultrafast Recovery Rectifiers offer reverse recovery times down to 30ns using broad range of forward current possibilities and packages.

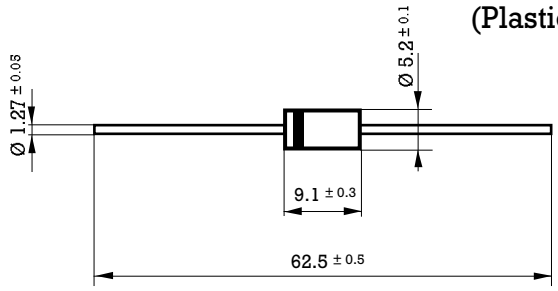
Ideal for high frequency applications like SMPS, Monitors, Electronic Ballast, Inverters….

Manufactured using HYPERECTIFIER© technology, we offer these devices housed either in leaded packages or SMD.

Product	Family	$I_{F(AV)}$(A)	I_{FSM}(A)	V_{RRM}(V)	V_F(V)	T_{RR}(ns)	OUTLINE
BYM26E	BYM26	2.3	45	1000	1.34	75	DO201-AD

2.3 Amp. Very Fast Soft Recovery Glass Passivated Avalanche Diode

Dimensions in mm. DO-201AD (Plastic)



Voltage
200 to 1000 V.

Current
2.3 A at 55 °C.

HYPERECTIFIER®

Mounting instructions

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 3 mm. to the body.

- **Glass Passivated Junction**
- High current capability
- The plastic material carries U/L recognition 94 V-0
- Terminals: Axial Leads
- Polarity: Color band denotes cathode

Maximum Ratings, according to IEC publication No. 134

		BYM26A	BYM26B	BYM26C	BYM26D	BYM26E
V_{RRM}	Peak Recurrent reverse voltage (V)	200	400	600	800	1000
V_{RMS}	Maximum RMS voltage	140	280	420	560	700
V_{DC}	Maximum DC blocking voltage	200	400	600	800	1000
$I_{F(AV)}$	Forward current at Tamb = 55 °C	2.3 A				
I_{FRM}	Recurrent peak forward current	19 A				
I_{FSM}	10 ms. peak forward surge current	45 A				
t_{rr}	Max. reverse recovery time from I_F = 0.5 A ; I_R = 1 A ; I_{RR} = 0.25 A	30 ns			75 ns	
V_{BR}	Avalanche breakdown voltage at 100 µ A (V)	>300	>500	>700	>900	>1100
T_j	Operating temperature range	– 65 to + 175 °C				
T_{stg}	Storage temperature range	– 65 to + 175 °C				
E_{RSM}	Maximum non repetitive peak reverse avalanche energy. I_R = 1A ; T_J = 25 °C	20 mJ				

Electrical Characteristics at Tamb = 25 °C

V_F	Max. forward voltage drop at I_F = 2 A	at 25 °C at 175 °C	2.65 V 1.34 V
I_R	Max. reverse current at V_{RRM}	at 25 °C at 165 °C	5 µ A 150 µ A
R_{thj-a}	Max. thermal resistance (l = 10 mm.)		30 °C/W