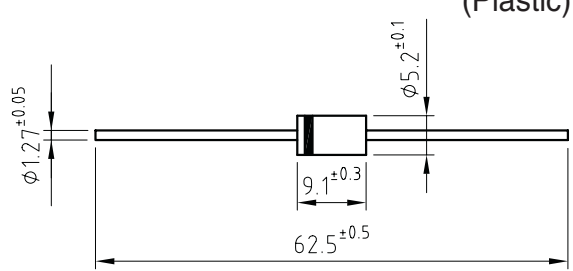



## 5 Amp. Glass Passivated Avalanche Ultrafast Recovery Rectifier

<p><b>Dimensions in mm.</b></p> <p style="text-align: right;"><b>DO-201AD</b> (Plastic)</p>  <p><b>Mounting instructions</b></p> <ol style="list-style-type: none"> <li>1. Min. distance from body to soldering point, 4 mm.</li> <li>2. Max. solder temperature, 350 °C.</li> <li>3. Max. soldering time, 3.5 sec.</li> <li>4. Do not bend lead at a point closer than 2 mm. to the body.</li> </ol>	<p style="text-align: center;"><b>Voltage</b> 50 to 400 V</p> <p style="text-align: center;"><b>Current</b> 5 A at 55 °C</p> <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> <li>• <b>Glass passivated junction</b></li> <li>• High current capability</li> <li>• The plastic material carries U/L recognition 94 V-0</li> <li>• Terminals: Axial Leads</li> <li>• Polarity: Color band denotes cathode</li> </ul>
--	---

### Maximum Ratings, according to IEC publication No. 134

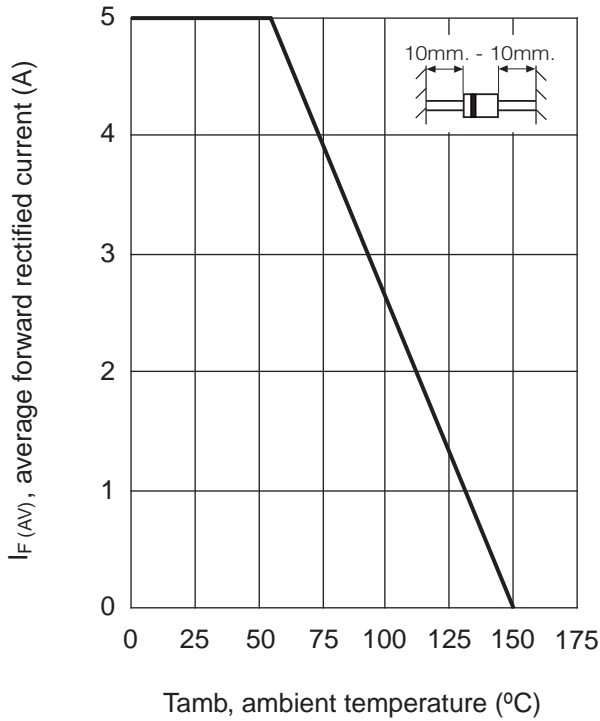
		EGP 50A	EGP 50B	EGP 50D	EGP 50F	EGP 50G	EGP 50J	EGP 50K	EGP 50M	
$V_{RRM}$	Peak recurrent reverse voltage (V)	50	100	200	300	400	600	800	1000	
$V_{RMS}$	Maximum RMS voltage	35	70	140	210	280	420	560	700	
$V_{DC}$	Maximum DC blocking voltage	50	100	200	300	400	600	800	1000	
$I_{F(AV)}$	Forward current at $T_{amb} = 55\text{ °C}$	5 A								
$I_{FRM}$	Recurrent peak forward current	50 A								
$I_{FSM}$	8.3 ms. peak forward surge current (Jedec Method)	150 A								
$t_{rr}$	Max. reverse recovery time from $I_F = 0.5\text{ A}$ ; $I_R = 1\text{ A}$ ; $I_{RR} = 0.25\text{ A}$	50 ns					75 ns			
$C_j$	Typical Junction Capacitance at 1 MHz and reverse voltage of $4V_{DC}$	100 pF					65 pF			
$T_j$	Operating temperature range	- 65 to + 150 °C								
$T_{stg}$	Storage temperature range	- 65 to + 150 °C								
$E_{RSM}$	Maximum non repetitive peak reverse avalanche energy. $I_R = 1\text{ A}$ ; $T_j = 25\text{ °C}$	20 mJ								

### Electrical Characteristics at $T_{amb} = 25\text{ °C}$

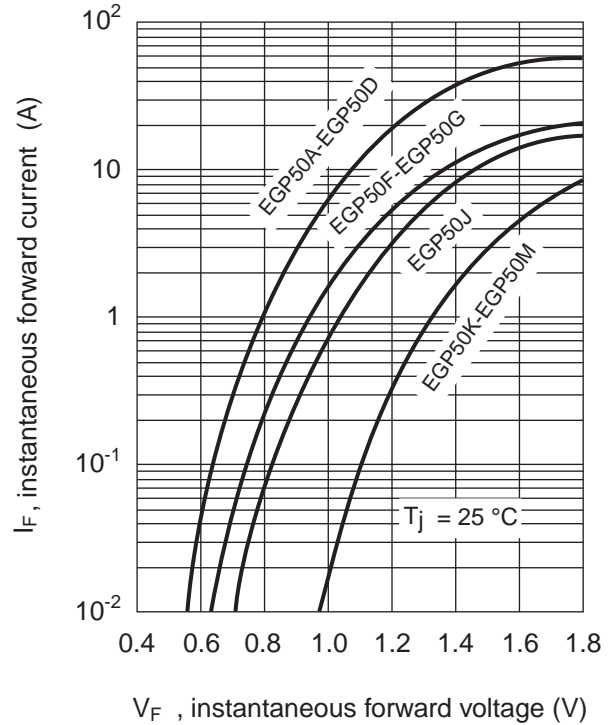
$V_F$	Max. forward voltage drop at $I_F = 5\text{ A}$	1.0 V	1.25 V	1.3 V	1.7 V
$I_R$	Max. reverse current at $V_{RRM}$	5 $\mu\text{A}$			
	at 25 °C				
	at 150 °C	50 $\mu\text{A}$			
$R_{thj-a}$	Max. thermal resistance ( $l = 10\text{ mm.}$ )	20 °C/W			

### Rating And Characteristic Curves

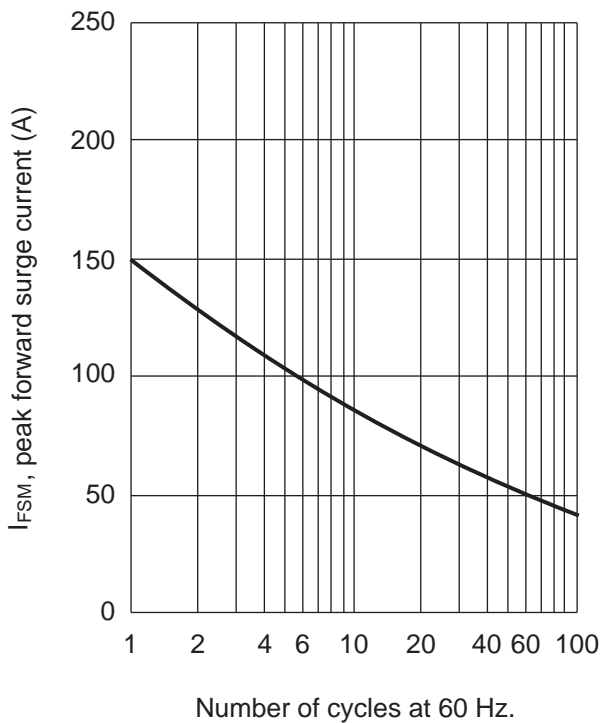
**FORWARD CURRENT DERATING CURVE**



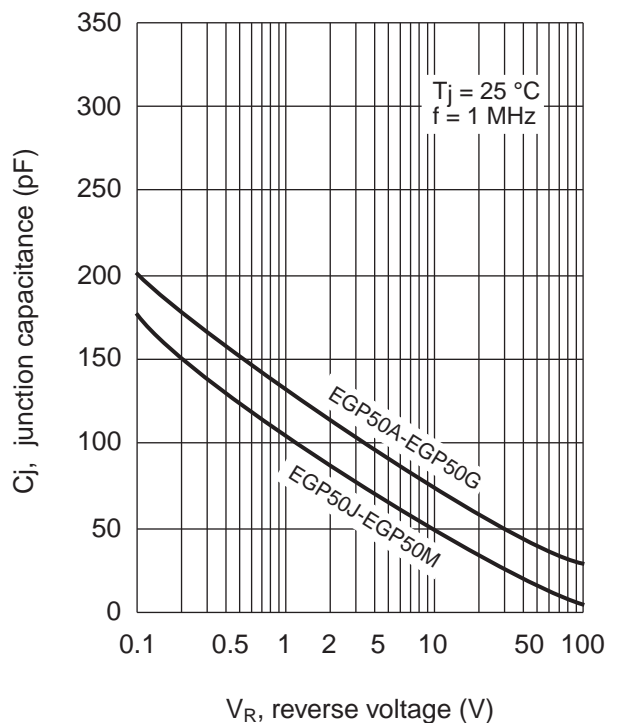
**TYPICAL FORWARD CHARACTERISTIC**



**MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT**



**TYPICAL JUNCTION CAPACITANCE**



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for* [Diodes - General Purpose, Power, Switching category:](#)

*Click to view products by* [Fagor manufacturer:](#)

Other Similar products are found below :

[MCL4151-TR3](#) [MMBD3004S-13-F](#) [RD0306T-H](#) [RGP30G-E373](#) [BAQ333-TR](#) [BAQ335-TR](#) [BAQ33-GS18](#) [BAS1602VH6327XT](#) [BAV17-TR](#) [BAV19-TR](#) [BAV301-TR](#) [BAW27-TAP](#) [NSVBAV23CLT1G](#) [NTE525](#) [1SS181-TP](#) [1SS184-TP](#) [1SS193,LF](#) [1SS193-TP](#) [1SS400CST2RA](#) [SBAV99LT3G](#) [SDAA13](#) [LL4448-GS18](#) [SHN2D02FUTW1T1G](#) [LS4150GS18](#) [LS4151GS08](#) [SMMBD7000LT3G](#) [1N4449](#) [1N4934-E3/73](#) [APT100DL60HJ](#) [RFUH20TB3S](#) [RGP30G-E354](#) [RGP30M-E3/73](#) [D291S45T](#) [MCL4151-TR](#) [BAS 16-02L E6327](#) [BAS 16-02V H6327](#) [BAS 21U E6327](#) [BAS 28 E6327](#) [BAS33-TAP](#) [BAS 70-02V H6327](#) [BAV300-TR](#) [BAV303-TR3](#) [BAW27-TR](#) [BAW56DWQ-7-F](#) [BAW56M3T5G](#) [BAW75-TAP](#) [BAW76-TR](#) [MM230L-CAA](#) [MMSD914-TP](#) [IDW40E65D1](#)