

## ELECTRICAL CHARACTERISTICS

## STATIC CHARACTERISTICS

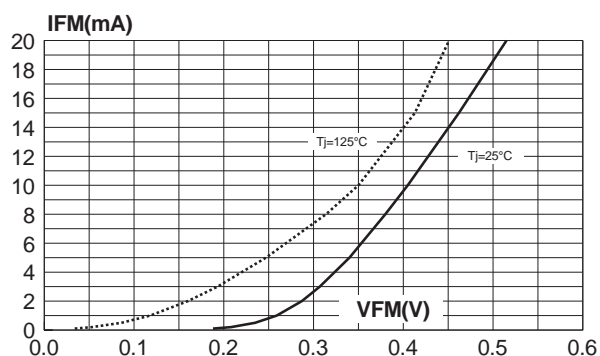
Symbol	Test Conditions		Min.	Typ.	Max.	Unit
$V_{BR}$	$T_j = 25^{\circ}\text{C}$	$I_R = 100\mu\text{A}$	100			V
$V_F^*$	$T_j = 25^{\circ}\text{C}$	$I_F = 0.1\text{mA}$			0.25	V
	$T_j = 25^{\circ}\text{C}$	$I_F = 10\text{mA}$			0.45	
	$T_j = 25^{\circ}\text{C}$	$I_F = 250\text{mA}$			1	
$I_R^*$	$T_j = 25^{\circ}\text{C}$	$V_R = 1.5\text{V}$			0.5	$\mu\text{A}$
	$T_j = 60^{\circ}\text{C}$				5	
	$T_j = 25^{\circ}\text{C}$	$V_R = 10\text{V}$			0.8	
	$T_j = 60^{\circ}\text{C}$				7.5	
	$T_j = 25^{\circ}\text{C}$	$V_R = 50\text{V}$			2	
	$T_j = 60^{\circ}\text{C}$				15	
	$T_j = 25^{\circ}\text{C}$	$V_R = 75\text{V}$			5	
	$T_j = 60^{\circ}\text{C}$				20	

## DYNAMIC CHARACTERISTICS

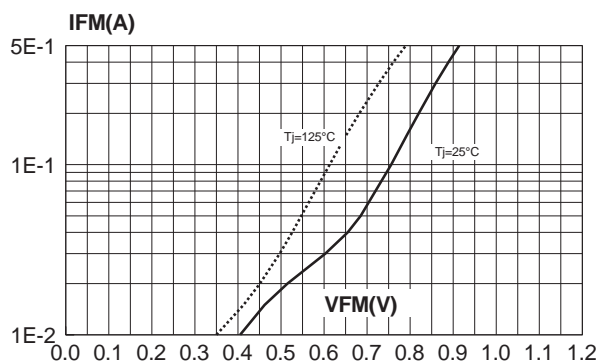
Symbol	Test Conditions		Min.	Typ.	Max.	Unit
C	$T_j = 25^{\circ}\text{C}$	$V_R = 0\text{V}$	$f = 1\text{MHz}$	10		pF
	$T_j = 25^{\circ}\text{C}$	$V_R = 1\text{V}$		6		

\* Pulse test:  $t_p \leq 300\mu\text{s}$   $\delta < 2\%$ .

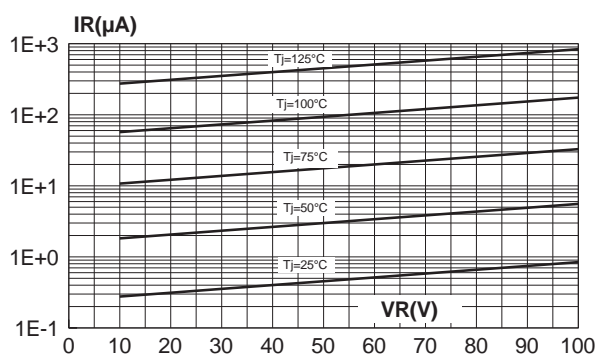
**Fig. 1-1:** Forward voltage drop versus forward current (low level, typical values)



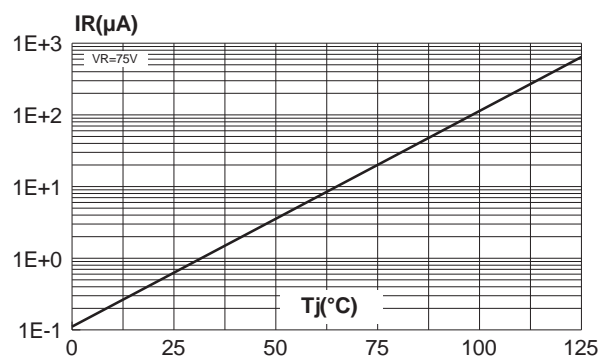
**Fig. 1-2:** Forward voltage drop versus forward current (high level, typical values)



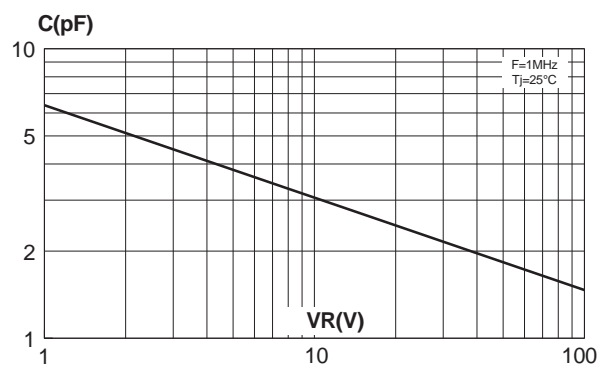
**Fig. 2:** Leakage current versus reverse voltage applied (typical values)



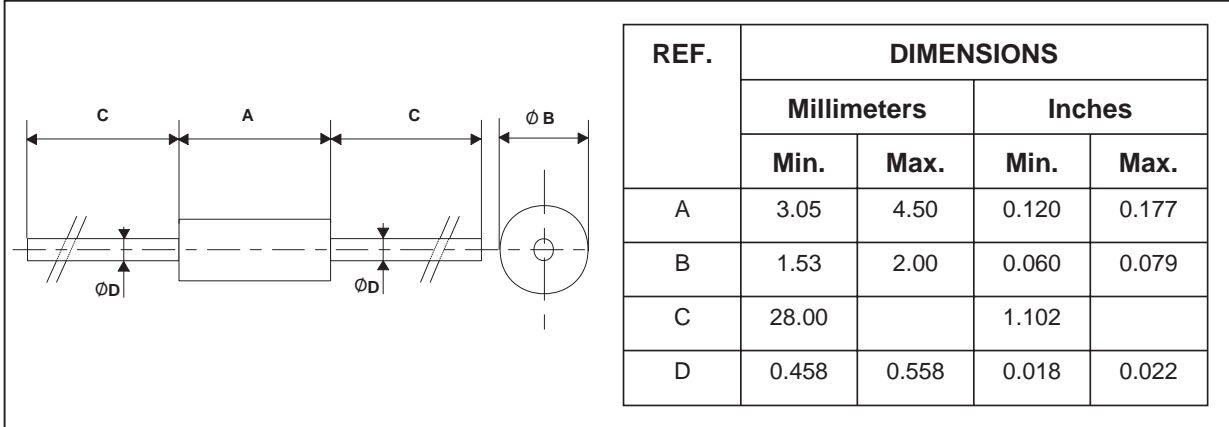
**Fig. 3:** Leakage current versus junction temperature (typical values)



**Fig. 4:** Junction capacitance versus reverse voltage applied (typical values)



PACKAGE MECHANICAL DATA  
DO-35



- Cooling method: by convection and conduction
- Marking: clear, ring at cathode end
- Weight: 0.15g

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