ELECTRICAL CHARACTERISTICS

STATIC CHARACTERISTICS

Symbol	Test Conditions			Min.	Тур.	Max.	Unit
V_{BR}	Tj = 25°C	$I_R = 100 \mu A$		30			V
V _F *	T _j = 25°C	$I_F = 200 \text{mA}$	All Types			1	V
	T _j = 25°C	$I_F = 10 \text{mA}$	BAT 42			0.4	
	T _j = 25°C	$I_F = 50 \text{mA}$				0.65	
	T _j = 25°C	$I_F = 2mA$	BAT 43	0.26		0.33	
	T _j = 25°C	I _F = 15mA				0.45	
I _R *	T _j = 25°C		V _R = 25V			0.5	μΑ
	T _j = 100°ÉC					100	

DYNAMIC CHARACTERISTICS

Symbol	Test Conditions	Min.	Тур.	Max.	Unit
С	$T_j = 25$ °C $V_R = 1$ V $f = 1$ MHz		7		pF
trr	$Tj = 25^{\circ}C$ $I_F = 10mA$ $I_R = 10mA$ $I_{rr} = 1mA$ $R_L = 100\Omega$			5	ns
h	$T_j = 25^{\circ}C$ $R_L = 15K\Omega$ $C_L = 300pF$ $f = 45MHz$ $V_i = 2V$	80			%

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

Fig. 1: Forward current versus forward voltage at different temperatures (typical values).

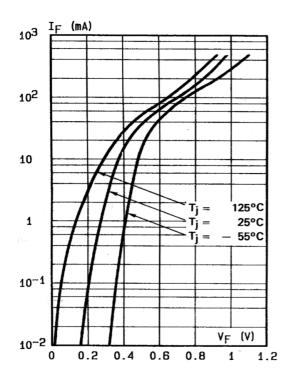
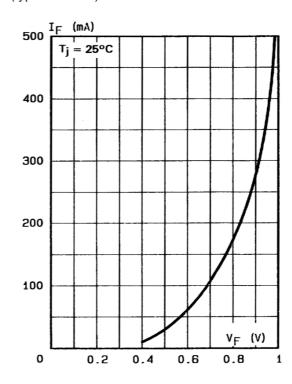


Fig. 2: Forward current versus forward voltage (typical values).



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

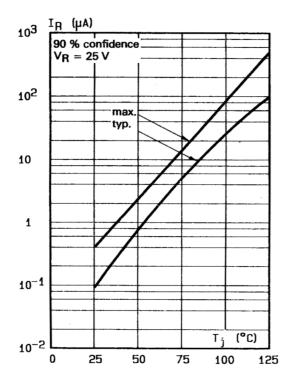


Fig. 4: Reverse current versus continuous reverse voltage.

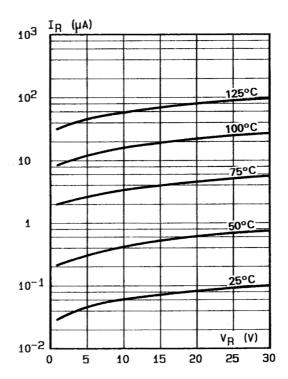
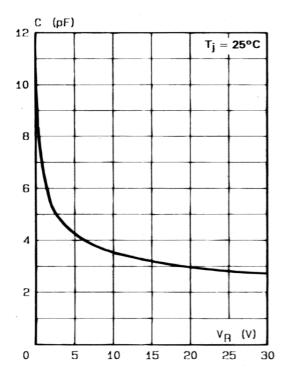


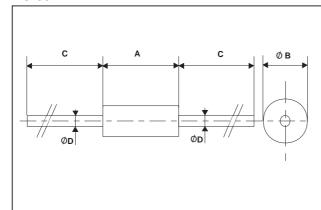
Fig. 5: Capacitance C versus reverse applied voltage $V_{\scriptscriptstyle R}$ (typical values).



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PACKAGE MECHANICAL DATA

DO-35



REF.	DIMENSIONS					
	Millimeters		ters Inches			
	Min.	Max.	Min.	Max.		
А	3.05	4.50	0.120	0.177		
В	1.53	2.00	0.060	0.079		
С	28.00		1.102			
D	0.458	0.558	0.018	0.022		

Cooling method: by convection and conduction

Marking: clear, ring at cathode end.

Weight: 0.15g

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