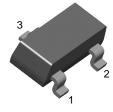
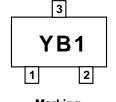
FYV0203S/DN/DP/DS



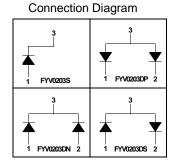
SOT-23



 Marking

 FYV0203S
 = YB1
 FYV0203DP = YB3

 FYV0203DN = YB2
 FYV0203DS = YB4



Schottky Diode

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Absolute Maximum Ratings TA=25°C unless otherwise noted

Symbol	Parameter	Value	
V _{RRM}	Maximum Repetitive Reverse Voltage	30	V
I _{F(AV)}	Average Rectified Forward Current	0.2	А
I _{FSM}	Non-repetitive Peak Surge Current Pulse Width = 1.0s	0.6	A
T _{STG}	Storage Temperature Range	-65 to +150	°C
ТJ	Operating Junction Temperature	150	°C

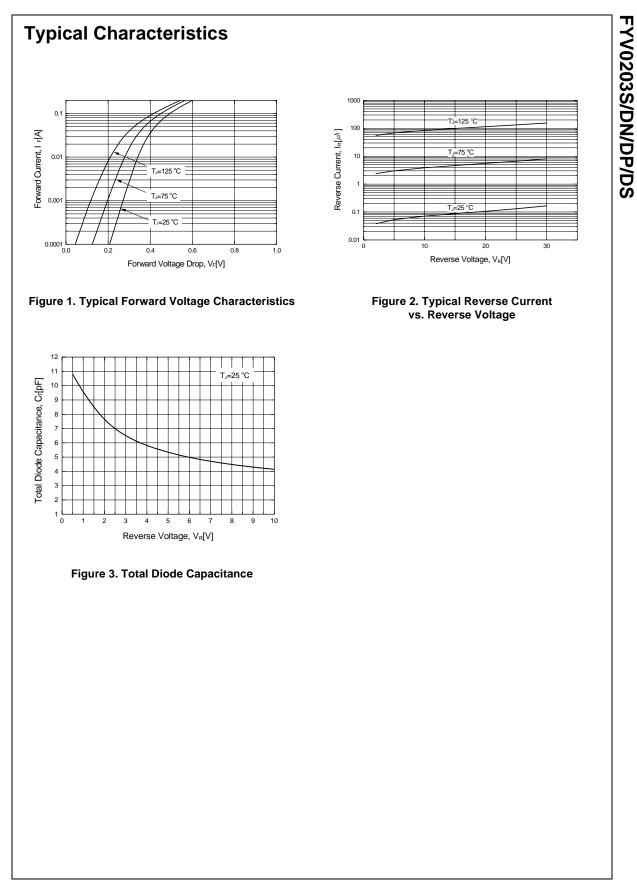
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	430	°C/W

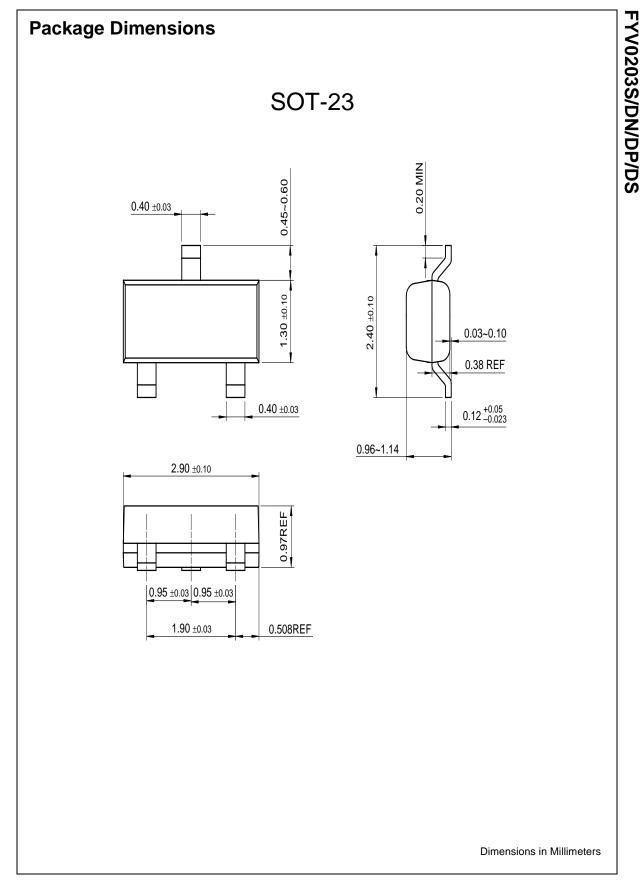
Electrical Characteristics T_A=25°C unless otherwise noted

Symbol	Parameter		Min.	Тур.	Max.	Units
V _F *	Forward Voltage Drop				1	mV
•	$I_F = 0.1 \text{mA}$		-	210	240	
	$I_{\rm F} = 1 {\rm mA}$		-	270	320	
	$I_{\rm F} = 10 {\rm mA}$		-	340	400	
	$I_{\rm F} = 30 {\rm mA}$		-	390	500	
	$I_F = 100 \text{mA}$		-	485	800	
	I _F = 200mA		-	600	1000	
I _R *	Reverse Current					uA
	@ Rated V _R	T _A = 25 °C	-	0.2	2	
		T _A = 125 °C	-	130	-	
CT	Total Capacitance					pF
	V _R = 1V , f = 1.0 MHz		-	-	10	
t _{rr}	Reverse Recovery Time					ns
	$I_{\rm F} = I_{\rm R} = 10$ mA, $I_{\rm RR} = 1$ mA, $R_{\rm L} = 100\Omega$		-	-	5	

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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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