

SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings T_A=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	40	V
V _R	Maximum DC Reverse Voltage	40	V
I _{F(AV)}	Average Rectified Forward Current @ $T_A = 40^{\circ}C$	0.75	А
I _{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	8	A
TJ	Operating Junction Temperature	-65 to +125	°C
T _{STG}	Storage Temperature	-65 to +150	°C

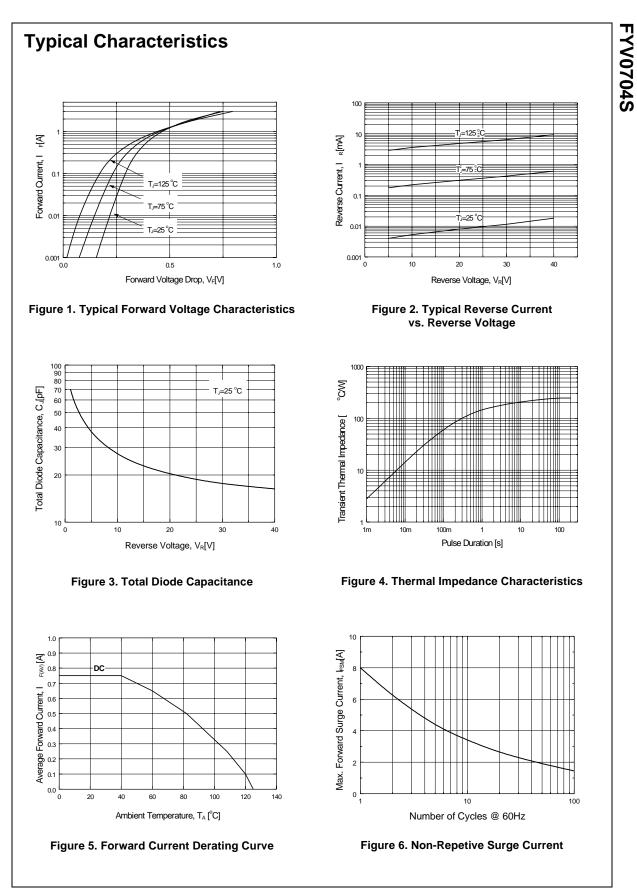
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	250	°C/W

Electrical Characteristics

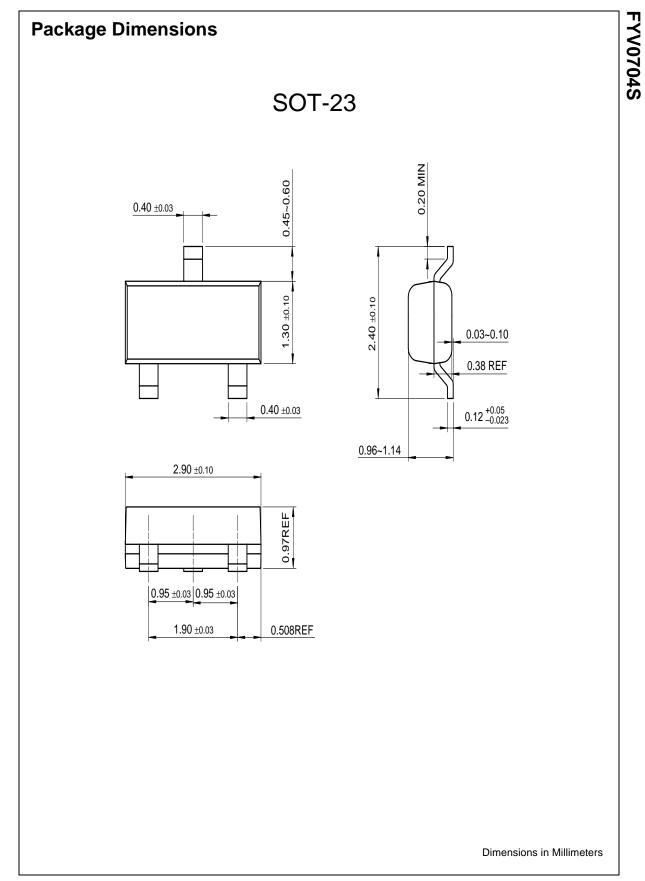
Symbol	Parameter			Min.	Тур.	Max.	Units
V _F *	Forward Voltage	Drop					V
•	-	I _F = 50mA	T _A = 25 °C	-	0.270	-	
		I _F = 100mA	T _A = 25 °C	-	0.290	-	
		I _F = 500mA	T _A = 25 °C	-	0.380	-	
		I _F = 750mA	T _A = 25 °C	-	0.425	0.48	
		I _F = 1A	T _A = 25 °C	-	0.460	-	
		I _F = 1.5A	T _A = 25 °C	-	0.535	-	
		I _F = 750mA	T _A = 125 °C	-	0.375	-	
I _{R *}	Reverse Current						mA
		@ rated V _R	T _A = 25 °C	-	0.02	0.1	
			T _A = 125 °C	-	10	-	

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