# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

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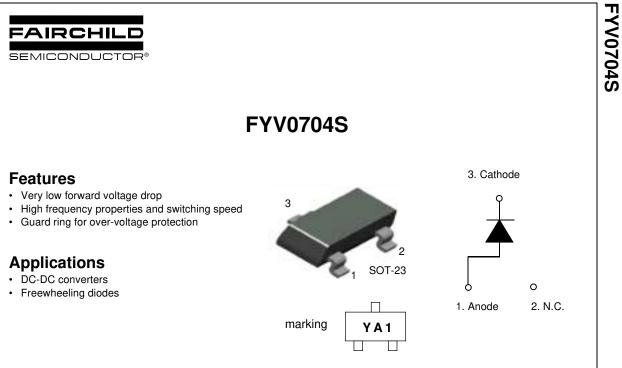
Is Now Part of



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## SCHOTTKY BARRIER RECTIFIER

#### Absolute Maximum Ratings TA=25°C unless otherwise noted

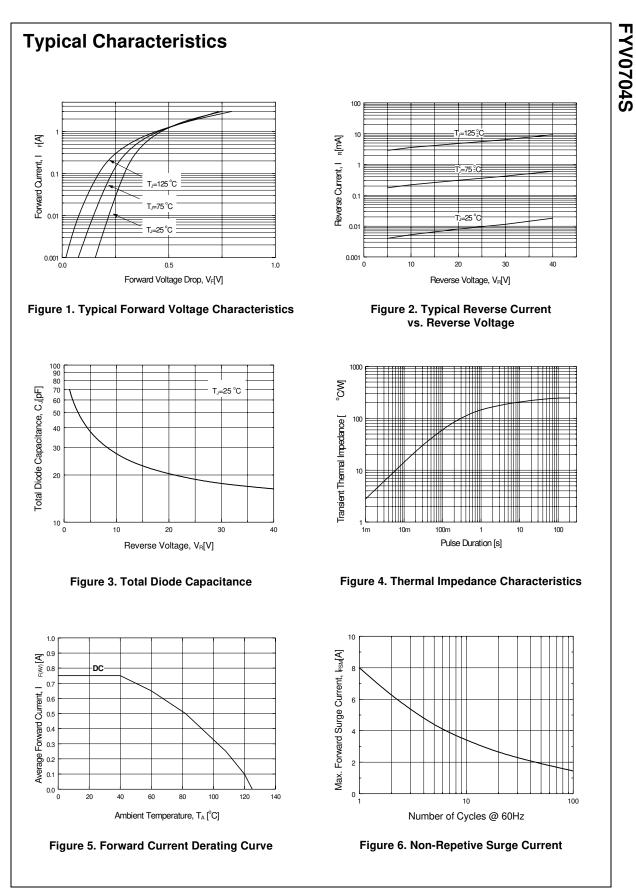
Symbol	Parameter	Value	Units
V <sub>RRM</sub>	Maximum Repetitive Reverse Voltage	40	V
V <sub>R</sub>	Maximum DC Reverse Voltage	40	V
I <sub>F(AV)</sub>	Average Rectified Forward Current @ $T_A = 40^{\circ}C$	0.75	А
I <sub>FSM</sub>	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	8	A
TJ	Operating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

### **Thermal Characteristics**

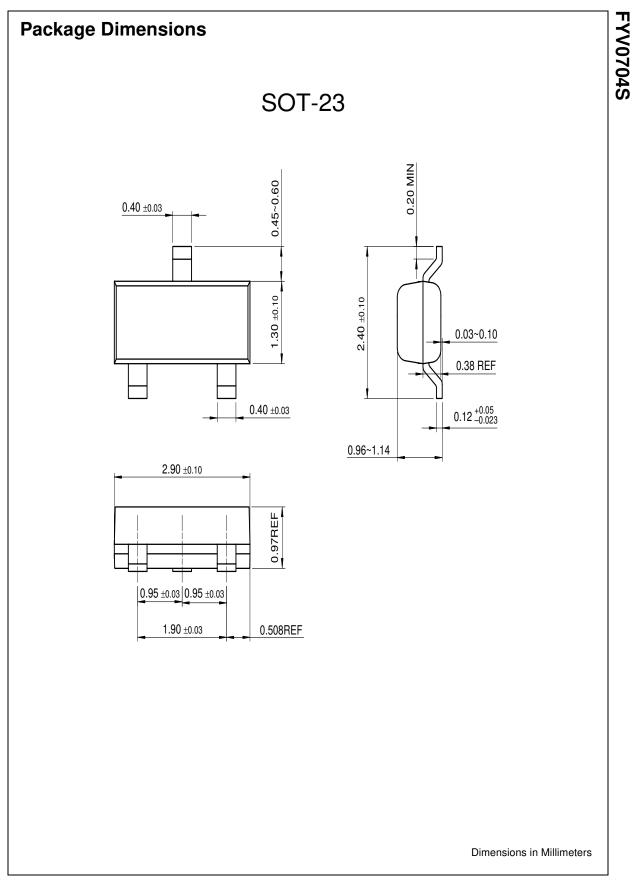
Symbol	Parameter	Value	Units
$R_{\thetaJA}$	Thermal Resistance, Junction to Ambient	250	°C/W

### **Electrical Characteristics**

Symbol	Parameter			Min.	Тур.	Max.	Units
V <sub>F</sub> *	Forward Voltage	Drop					V
	-	I <sub>F</sub> = 50mA	T <sub>A</sub> = 25 °C	-	0.270	-	
		l <sub>F</sub> = 100mA	T <sub>A</sub> = 25 °C	-	0.290	-	
		I <sub>F</sub> = 500mA	T <sub>A</sub> = 25 °C	-	0.380	-	
		I <sub>F</sub> = 750mA	T <sub>A</sub> = 25 °C	-	0.425	0.48	
		I <sub>F</sub> = 1A	T <sub>A</sub> = 25 °C	-	0.460	-	
		I <sub>F</sub> = 1.5A	T <sub>A</sub> = 25 °C	-	0.535	-	
		l <sub>F</sub> = 750mA	T <sub>A</sub> = 125 °C	-	0.375	-	
I <sub>R</sub> *	Reverse Current						mA
		@ rated V <sub>B</sub>	T <sub>A</sub> = 25 °C	-	0.02	0.1	
			T <sub>A</sub> = 125 °C	-	10	-	



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