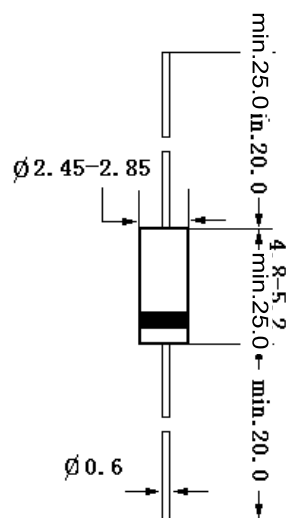


# S5566B, S5566G, S5566J, S5566N

**SILICON DIFFUSED TYPE**  
**GENERAL PURPOSE RECTIFIER APPLICATIONS**  
 Repetitive Peak Reverse Voltage – 100 to 1000 Volts  
 Average Forward Current – 1.0 Ampere



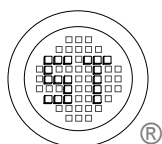
Dimensions in mm

## Absolute Maximum Ratings

	Symbol	S5566B	S5566G	S5566J	S5566N	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	100	400	600	1000	V
Peak One Cycle Surge Forward Current ( Non Repetitive )	$I_{FSM}$	45(50Hz)	49(60Hz)	30(50Hz)	33(60Hz)	A
Average Forward Current	$I_F(AV)$	1.0				A
Junction Temperature	$T_j$	-40 to +150				°C
Storage Temperature Range	$T_s$	-40 to +150				°C

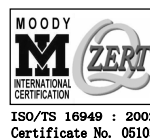
## Characteristics at $T_a = 25^\circ\text{C}$

	Symbol	Min.	Typ.	Max.	Unit
Peak Forward Voltage at $I_{FM}=1A$	$V_{FM}$	-	-	1.2	V
Repetitive Peak Reverse Current at $V_{RRM}=\text{Rated}$	$I_{RRM}$	-	-	10	$\mu\text{A}$



**SEMTECH ELECTRONICS LTD.**

(Subsidiary of Semtech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



Dated : 23/06/2003