

## Plastic-Encapsulate Diodes

Schottky barrier Diode

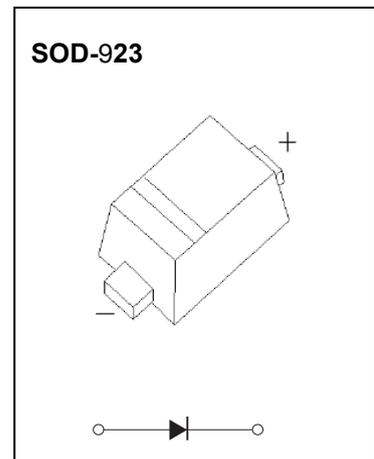
### FEATURES

- Small surface mounting type
- High reliability

### MARKING: F



F=Device code  
The marking bar indicates the cathode



### Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	200	mA
Non-repetitive Peak forward surge current @ t=8.3ms	$I_{FSM}$	1	A
Power dissipation	$P_D$	100	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1000	°C/W
Operating Junction Temperature Range	$T_J$	-40 ~ +125	°C
Storage Temperature Range	$T_{stg}$	-55 ~ +150	°C

### Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_{F1}$			0.35	V	$I_F=10mA$
	$V_{F2}$			0.5	V	$I_F=200mA$
Reverse current	$I_R$			10	$\mu A$	$V_R=10V$

**Typical Characteristics**
