



# FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,  
KWUN TONG, KOWLOON, HONG KONG.

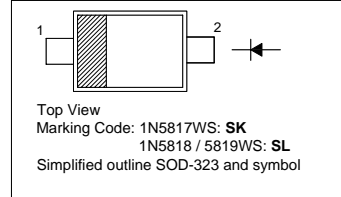
TEL: 852-2790 0314 FAX: 852-2790 0206

## 1N5817WS~1N5819WS

### 1 A Surface Mount Schottky Barrier Diode

#### PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

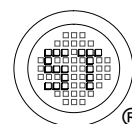


#### Absolute Maximum Ratings ( $T_a = 25\text{ }^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Reverse Voltage	1N5817WS	20	V
	1N5818WS	30	
	1N5819WS	40	
Average Forward Rectified Current	$I_{F(AV)}$	1	A
Non-Repetitive Peak Forward Surge Current ( $t = 8.3\text{ ms}$ )	$I_{FSM}$	9	A
Power Dissipation	$P_{tot}$	450	mW
Operating Temperature Range	$T_j$	- 55 to + 125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 55 to + 125	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 1\text{ mA}$	1N5817WS	20	-	V
	1N5818WS	30	-	
	1N5819WS	40	-	
Forward Voltage at $I_F = 1\text{ A}$  at $I_F = 3\text{ A}$	1N5817WS	-	0.45	V
	1N5818WS	-	0.55	
	1N5819WS	-	0.6	
	1N5817WS	-	0.75	
	1N5818WS	-	0.875	
	1N5819WS	-	0.9	
Reverse Voltage Leakage Current at $V_R = 20\text{ V}$ at $V_R = 30\text{ V}$ at $V_R = 40\text{ V}$	1N5817WS	-	1	mA
	1N5818WS	-	1	
	1N5819WS	-	1	
Total Capacitance at $V_R = 4\text{ V}$ , $f = 1\text{ MHz}$	$C_{tot}$	-	120	pF





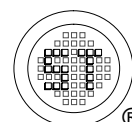
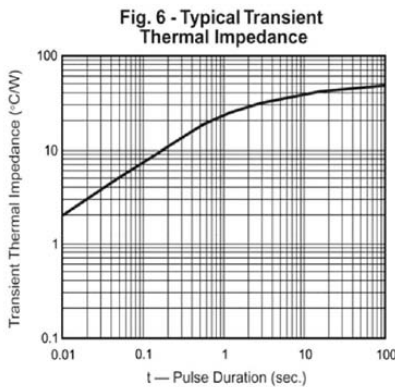
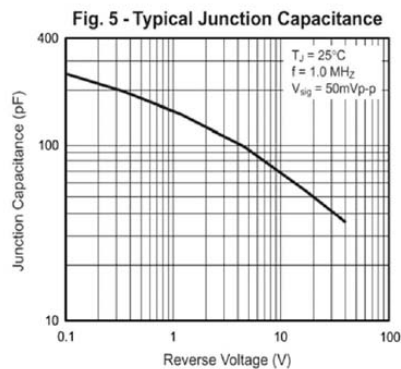
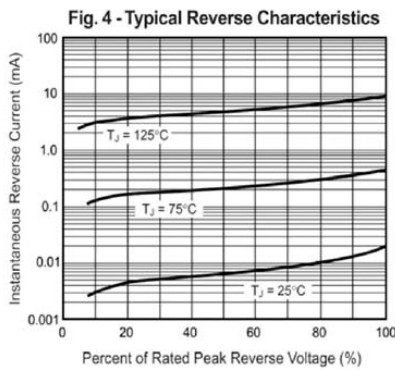
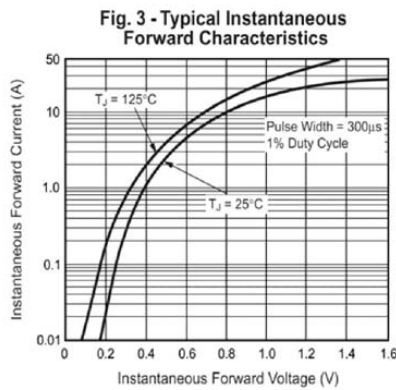
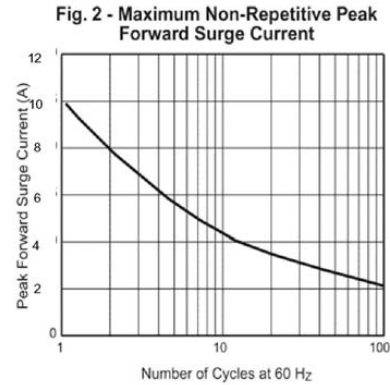
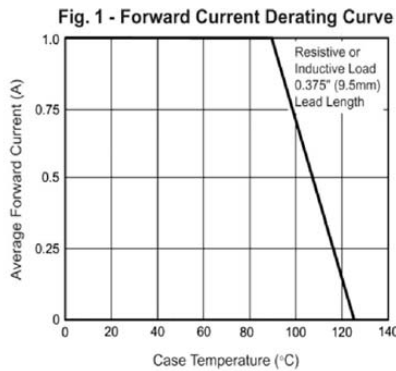
# FUKUCOM COMPANY LTD.

福靈有限公司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,  
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

## 1N5817WS~1N5819WS





**FUKUCOM COMPANY LTD.**

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,  
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

**1N5817WS~1N5819WS**

**PACKAGE OUTLINE**

Plastic surface mounted package; 2 leads

SOD-323

