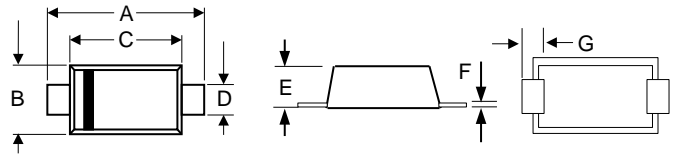


### Features

- \* Ultra small mold type
- \* Bi-direction high reliability
- \* ESD protection diode



RoHS  
COMPLIANT



SOD-523F				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.50	1.70
B	0.030	0.033	0.75	0.85
C	0.045	0.049	1.15	1.25
D	0.012	0.016	0.30	0.40
E	0.024	0.028	0.60	0.70
F	0.004	0.005	0.10	0.14

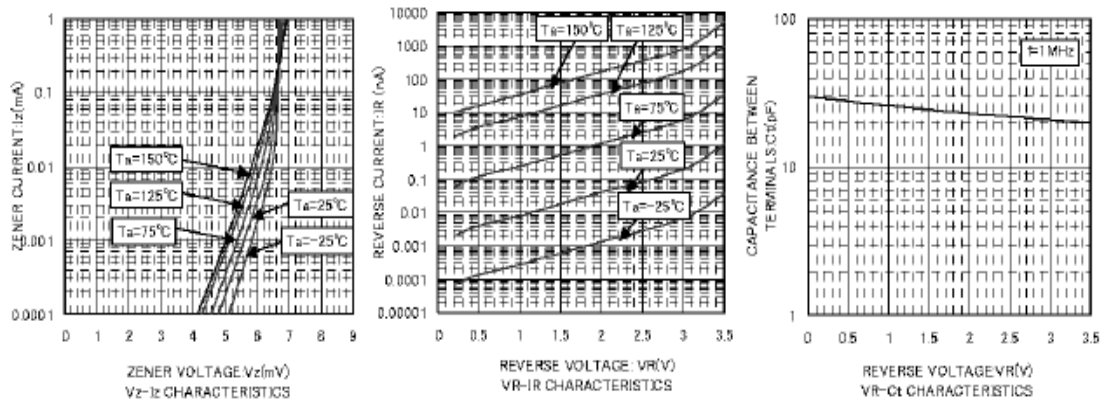
### Maximum Ratings (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Pulse Power (t <sub>p</sub> = 10 X 1000 μs)	P <sub>PK</sub>	10	W
Power Dissipation	P <sub>D</sub>	150	mW
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 150	°C
Operation Temperature Range	T <sub>opr</sub>	- 55 to + 150	°C

### Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Zener Voltage at I <sub>Z</sub> = 1 mA	V <sub>Z</sub>	5.78	-	7.82	V
Reverse Current at V <sub>R</sub> = 3.5 V	I <sub>R</sub>	-	-	0.5	μA
Capacitance between Terminals at V <sub>R</sub> = 0 V, f = 1 MHz	C <sub>T</sub>	-	30	-	pF

## Ratings and Characteristic Curves



## Ordering Information

Part No.	Package	Packing Code	Packing
ESD6V8WT	SOD-523F	R30	3000pcs/Reel

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