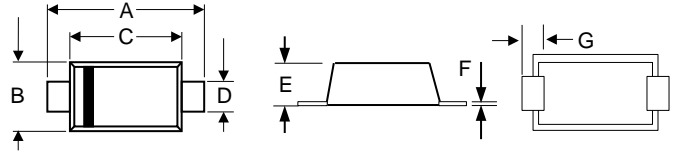


Features

- * Low clamping voltage
- * Low leakage
- * For ESD protection



RoHS
COMPLIANT



SOD-323F				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.091	0.110	2.30	2.80
B	0.045	0.053	1.15	1.35
C	0.063	0.071	1.60	1.80
D	0.010	0.016	0.25	0.40
E	0.031	0.043	0.80	1.10
F	0.004	0.006	0.10	0.15
G	0.016	0.024	0.41	0.61

Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Pulse Power (t _p = 8/20 μs)	P _{pk}	350	W
ESD Voltage	V _{ESD}	25	KV
Operating Temperature Range	T _j	- 50 to + 150	°C
Storage Temperature Range	T _{stg}	- 50 to + 150	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Type	Marking Code	Reverse Stand-off Voltage V _{RWM}	Reverse Current I _R at V _{RWM}	Breakdown Voltage			Clamping Voltage ¹⁾		Capacitance		
				V _{BR}		at I _{BR}	V _c	at I _{CP}	C _j	at f	at V _R
				Min.(V)	Max.(V)	mA	Max.(V)	A	Typ.(pF)	MHz	V
ESD3T3V0WS	3T	3	125	4	5	1	6.5	1	450	1	0
									150	1	5
ESD3T5V0WS	4T	5	10	6	7.2	1	9.8	1	300	1	0
									100	1	5
ESD3T8V0WS	5T	8	10	8.5	10	1	13.4	1	150	1	0
									80	1	5
ESD3T12WS	6T	12	1	13.3	15	1	19	1	130	1	0
									50	1	5
ESD3T15WS	7T	15	1	16.7	20	1	24	1	120	1	0
									30	1	5
ESD3T24WS	8T	24	1	26.6	30	1	43	1	80	1	0
									10	1	5
ESD3T36WS	9T	36	1	39.9	45	1	60	1	30	1	0
									1	1	5

Note: 1) t_p = 8/20 μs

Ratings and Characteristic Curves

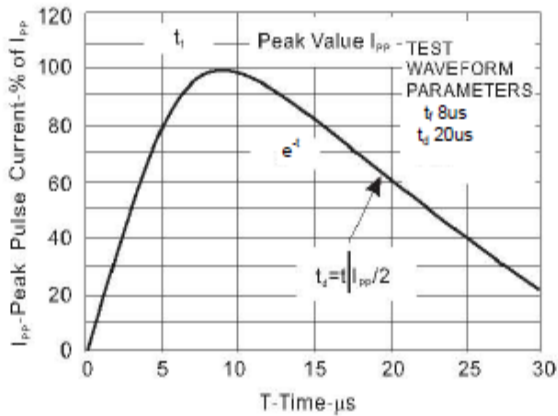


FIG.1-Pulse Wave Form

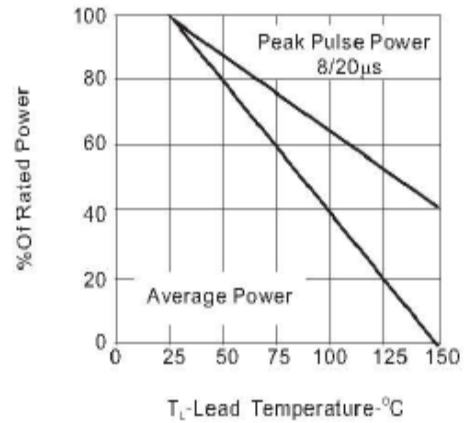


FIG.2-Power Derating Curve

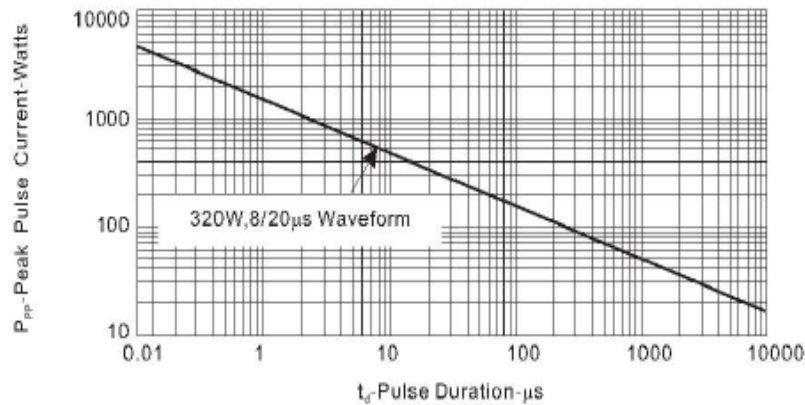


FIG.3-Peak Pulse Power vs Pulse Time

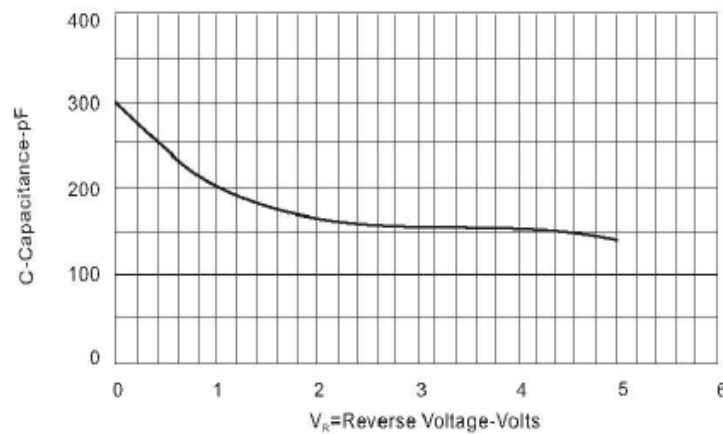


FIG.4-Typical Reverse Voltage vs Capacitance



ESD3T...WS Series

Transient Voltage Suppressors

Ordering Information

Part No.	Package	Packing Code	Packing
ESD3T...WS Series	SOD-323F	R30	3000pcs/Reel

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