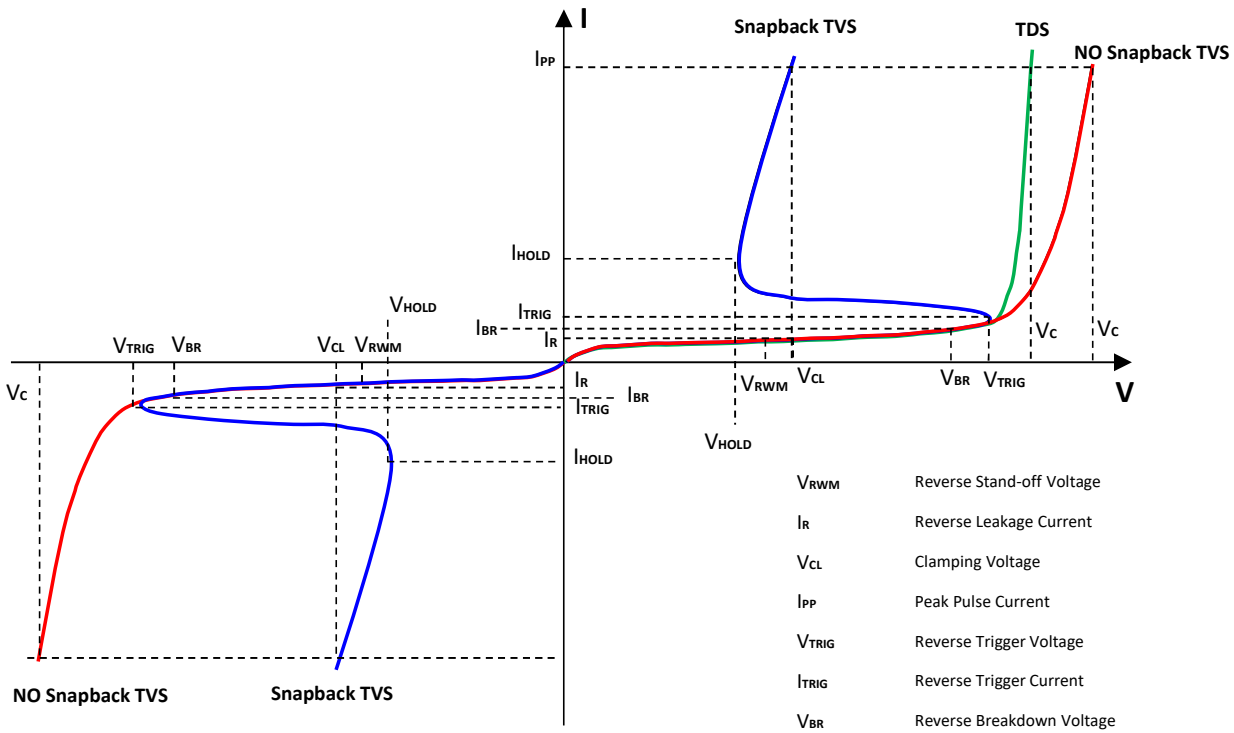
Product Selection

D. Deep Snapback TVS

Semitel's Deep Snapback TVS Diodes are designed for:

The protection performance features a very low clamping voltage, even under high-energy surge events.



V_{RWM}	Reverse Stand-off Voltage
I_R	Reverse Leakage Current
V_{CL}	Clamping Voltage
I_{PP}	Peak Pulse Current
V_{TRIG}	Reverse Trigger Voltage
I_{TRIG}	Reverse Trigger Current
V_{BR}	Reverse Breakdown Voltage
I_{BR}	Reverse Breakdown Current
V_{HOLD}	Reverse Holding Voltage
I_{HOLD}	Reverse Holding Current

Product Selection

D. Deep Snapback TVS

Ultra Low Cap and Low Vc ESD TVS Diodes – CSP0603-2L, DFN0603-2L, DFN1006- 2L, DFN1610-6L, DFN2510-10L, SOD-323, SOT-143, SOT-23, SOT23-6L

Part Number	Capacitor Level	Directional	Channel	VRWM (V)(Max.)	IPP@8/20μs (A)(Max.)	VCL@IPP (V)(Typ.)	CJ@0V/1MHz (pF)(Typ.)	Package	Shipping
SUCS2Z3V1B	Extremely Low	Bi.	1	3.3	9	5	0.2	CSP0603-2L	10000
SUCS2Z5V1B	Extremely Low	Bi.	1	5	9	5	0.2	CSP0603-2L	10000
SUCS2X3V1BA	Extremely Low	Bi	1	3.3	5	7.2	0.1	DFN0603-2L	10000
SUCS2X3V1B	Extremely Low	Bi	1	3.3	7	5.5	0.14	DFN0603-2L	10000
SUCS2X18V1B	Extremely Low	Bi	1	18	7	6	0.14	DFN0603-2L	10000
SUCS2X24V1B	Extremely Low	Bi	1	24	6	5.6	0.12	DFN0603-2L	10000
SUCS2X36V1B	Extremely Low	Bi	1	36	6	5.6	0.14	DFN0603-2L	10000
SUCS2X3V1BB	Extremely Low	Bi	1	3.3	14	6.4	0.28	DFN0603-2L	10000
SUCS2F3V1BH	Extremely Low	Bi.	1	3.3	20	7.4	0.45	DFN1006- 2L	10,000
SUCS2F3V1B	Extremely Low	Bi.	1	3.3	8	4.6	0.25	DFN1006-2L	10000
SUCS2F5V1B	Extremely Low	Bi.	1	5	8	4.6	0.25	DFN1006-2L	10000
SUCS2F3V1BB	Extremely Low	Bi	1	3.3	14	6.6	0.37	DFN1006-2L	10000
SUCS06F3V1B	Extremely Low	Bi.	1	3.3	18	7.5	0.47	DFN1610-6L	3000
SUCS10F3V4UA	Extremely Low	Uni.	4	3.3	8	3.5	0.54	DFN2510-10L	3000
SUCS10F5V4UA	Extremely Low	Uni.	4	5	8	3.5	0.54	DFN2510-10L	3000
SUCS10F3V4UB	Extremely Low	Uni.	4	3.3	8	3.5	0.45	DFN2510-10L	3000
SUCS10F3V4UC	Extremely Low	Uni.	4	3.3	14	5.6	0.45	DFN2510-10L	3000
SUCS10F3V4B	Extremely Low	Bi.	4	3.3	6	5.5	0.18	DFN2510-10L	3000
SUCS10F5V4B	Extremely Low	Bi.	4	5	6	5.5	0.18	DFN2510-10L	3000
SUCS10F3V4UD	Extremely Low	Uni.	4	5	5	3.3	0.22	DFN2510-10L	3000
SUCS10F5V4UB	Extremely Low	Uni.	4	5	8	3.5	0.45	DFN2510-10L	3000
SUCS10F3V4UE	Extremely Low	Uni.	4	5	6	3.6	0.29	DFN2510-10L	3000
SUCS3D3V1BHA	Extremely Low	Bi.	1	3.3	8	5.2	0.45	SOD-323	3000
SUCS143T5V2UA	Extremely Low	Uni.	2	5	27	12	0.7	SOT-143	3000
SUCS23T5V2U	Extremely Low	Uni.	2	5	8	3.5	0.54	SOT-23	3000
SUCS236T5V4UC	Extremely Low	Uni.	4	5	25	5.4	1.35	SOT23-6L	3000
SUCS236T5V4UA	Extremely Low	Uni.	4	5	14/27	5.6/12.5	0.7/220	SOT23-6L	3000