

Features

- · ESD Protection: Level 4
- · Low Clamping Voltage
- Protection 4 Lines I/O Port
- · Moisture Sensitivity Level 1
- · Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

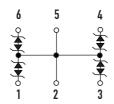
Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C

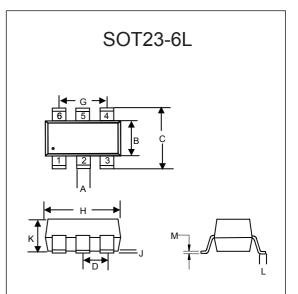
MCC Part Number	Device Marking
ESDA6V1-4L	VT5

IEC61000-4-2(ESD)	Air Contact	±15KV ±8KV		
Peak Pulse Current(8/20µs)	I _{PP}	3A		
Peak Pulse Power (8/20us)	P _{PK}	80W		

Internal Structure



ESD Protection Device



	DIMENSIONS					
DIM	INCHES		MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOIE	
Α	0.012	0.020	0.30	0.50		
В	0.051	0.070	1.30	1.80		
С	0.087	0.126	2.20	3.20		
D	0.037		0.95		TYP.	
G	0.074		1.90		TYP.	
Н	0.106	0.122	2.70	3.10		
J	0.002	0.006	0.05	0.15		
K	0.030	0.051	0.75	1.30		
L	0.012	0.024	0.30	0.60		
М	0.003	0.008	0.08	0.22		

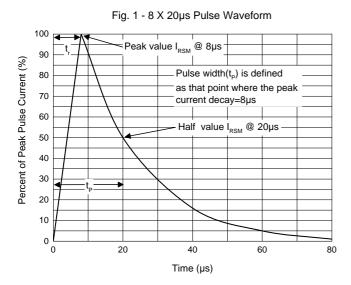


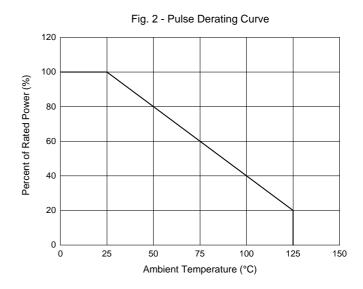
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

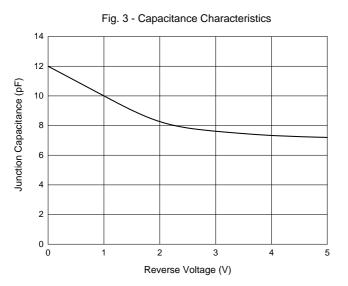
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	I _T = 1mA	6.1	8		V
Reverse Leakage Current	I _R	V _{RWM} =12V			1	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs			12	V
Dynamic Resistance	R _D	I _{PP} =3A			1.35	Ω
Junction Capacitance	CJ	$V_R = 0V$, $f = 1MHz$		10		pF

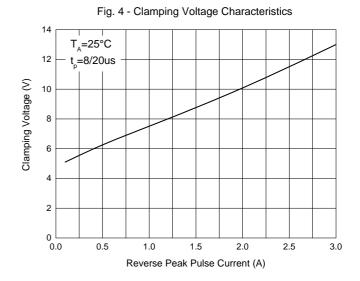


Curve Characteristics











Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note: Adding "-HF" Suffix for Halogen Free, eg. Part Number-TP-HF

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