

Features

- For Sensitive ESD Protection
- Excellent Clamping Capability
- Low Leakage
- Fast Response, Response Time Less than 1ns
- 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

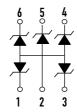
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Maximum Thermal Resistance: 833°C/W Junction to Ambient

MCC Part Number	Device Marking
ESDLC5V0M5	L2

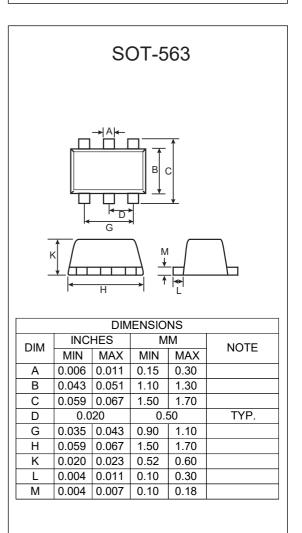
IEC61000-4-2(ESD)	Air Contact	±15KV ±15KV	
JESD22-A114-B(ESD)	Human Body	16KV	
Peak Pulse Current(8/20µs)	I _{PP}	1.6A	
Peak Pulse Power (8/20us)	P _{PK}	20W	
Power Dissipation ⁽¹⁾	P _D	150mW	

Note 1: Only 1 Diode under Power. For All 4 Diodes under Power, PD Will Be 25%. Mounted on FR-4 Board with Min Pad.

Internal Structure







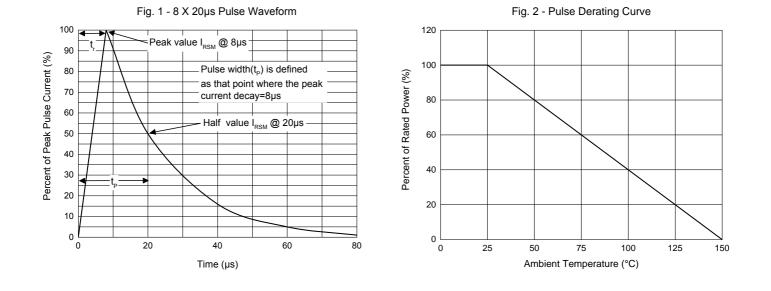


Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				5	V
Reverse Breakdown Voltage	V _{BR}	I _T = 1mA	6.2		7.2	V
Reverse Leakage Current	I _R	V _{RWM} =5V			1	μA
Forward Voltage	V _F	I _F =10mA			0.9	V
Clamping Voltage	V _C	I _{PP} =1.6A, t _P =8/20μs			12	V
Junction Capacitance	CJ	$V_R = 0V, f = 1MHz$			11	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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