

Features

- Chip Scale Package
- Ultra Low Capacitance
- Ultra Low Leakage
- Low Clamping Voltage
- Halogen Free
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C

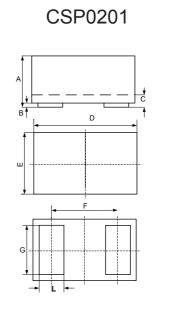


MCC Part Number	Device Marking		
CSPSLC5V0AE	ע ת		
CSPSLC5V0AE	ע דע		

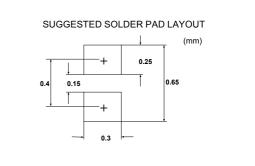
IEC61000-4-2(ESD)	Air Contact	±18KV ±12KV
Peak Pulse Current(8/20µs)	I _{PP}	3A
Peak Pulse Power (8/20µs)	Р _{РК}	60W

Internal Structure





	DIMENSIONS					
		HES	S MM		NOTE	
	MIN	MAX	MIN	MAX	NOTE	
А	0.008	0.013	0.21	0.33		
В	0.000	0.002	0.00	0.05		
С	0.005	0.007	0.12	0.18		
D	0.022	0.026	0.55	0.65		
Е	0.010	0.014	0.25	0.35		
F	0.0)14	0.3	355	TYP.	
G	0.008	0.011	0.215	0.28		
L	0.006	0.009	0.16	0.22		



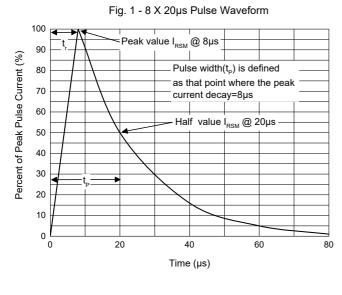


Electrical Characteristics @ 25°C (Unless Otherwise Specified)

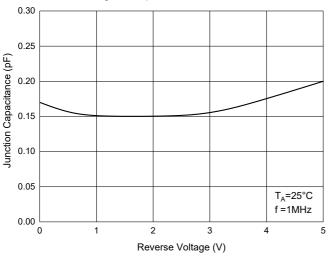
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				5	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	6	7.5	9	V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.5	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs			12	V
Clamping Voltage	V _C	I _{PP} =3A, t _P =8/20μs		18	20	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.18	0.25	pF



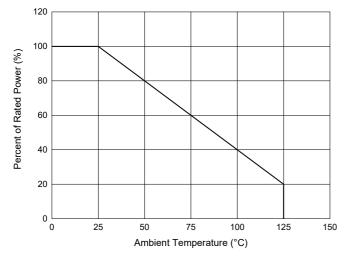
Curve Characteristics













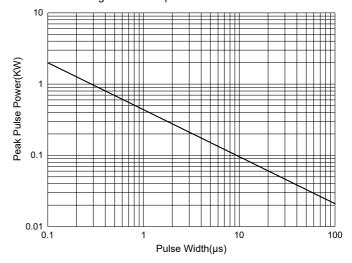
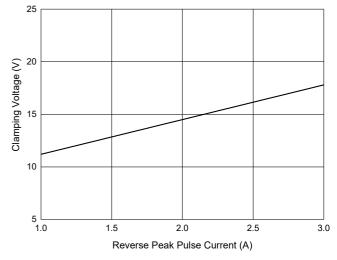


Fig. 4 - Clamping Voltage Characteristics





Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

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