

FEATURES

| 75W Peak Pulse Power per Line (tp=8/20µs)

| Protects Two High Speed Lines

Low Clamping Voltage

APPLICATIONS

USB 3.0/3.1 Interfaces

HDMI1.4/2.0 Interfaces

Video Graphics Cards

| Notebooks, Desktops and Servers

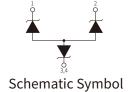
| Portable Instrumentations

Industrial Controls

Peripherals







IEC COMPATIBILITY

| IEC61000-4-2 (ESD) \pm 17kV (air), \pm 15kV (contact)

| IEC61000-4-4 (EFT) 40A (5/50ns)

APPROVALS

RoHS Compliance with 2011/65/EU

HF Compliance with IEC61249-2-21:2003

THERMAL CONSIDERATIONS

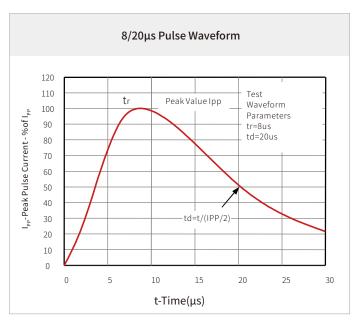
Symbol	Parameter	Value	Unit
P_{pp}	Peak Pulse Power (tp=8/20µs waveform)	75	Watts
T _J	Operating Temperature Range	-55 to +150	°C
T _{stg}	Storage Temperature Range	-55 to +150	°C

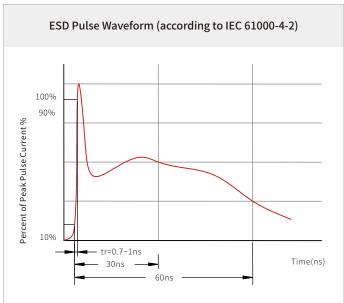
ELECTRICAL CHARACTERISTICS

Symbol	Parameter	Condition	Min.	Тур.	Max.	Unit
$V_{\scriptscriptstyle RWM}$	Reverse Stand-offVoltage				5	V
V_{BR}	Reverse Breakdown Voltage	I _T =1mA	6			V
I _R	Reverse Leakage Current	V _{RWM} =5V			0.1	μΑ
V_c	Clamping Voltage	I _{pp} =1A,tp=8/20μs			18	V
V_c	Clamping Voltage	I _{pp} =2.5A,tp=8/20μs			30	V
I _{PP}	Peak Pulse Current	tp=8/20μs			2.5	А
CJ	Off State Junction Capacitance	V _R =0V, f=1MHz		0.25		pF



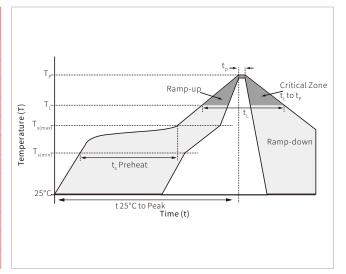
CHARACTERISTIC CURVES





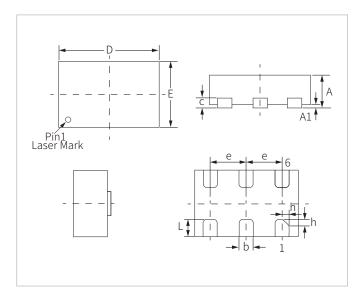
SOLDERING PARAMETERS

	Reflow Condition	Lead-free assembly	
	Temperature Max (T _{s(min)})	150°C	
Pre Heat	Temperature Max (T _{s(max)})	200°C	
	Time (min to max) (t_s)	60 – 180 secs	
Average ran	Average ramp up rate (Liquidus Temp (T_L) to peak		
T _{S(max)} to T _L - Ramp-up Rate		3°C/second max	
Reflow	Temperature (T _L) (Liquidus)	217°C	
Kellow	Time (min to max) (t_L)	60 – 150 seconds	
Peak Temp	erature (T _P)	260°C	
Time within	Time within 5°C of actual peak Temperature (t _p)		
Ramp-down Rate Time 25°C to peak Temperature (T _p) Do not exceed		6°C/second max	
		8 minutes max.	
		260°C	





DFN1510TP6 PACKAGE INFORMATION



Ref.	Millimeters			
KCI.	Min.	Nom.	Max.	
А	0.45	0.55	0.65	
A1	-	0.02	0.05	
b	0.15	0.20	0.25	
С				
D	1.40	1.50	1.60	
Е	0.90	1.00	1.10	
е	0.50BSC			
L	0.25	0.30	0.35	
h	0.08	0.10	0.12	

ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SELC0522P	DFN1510TP6	3000PCS	7"



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