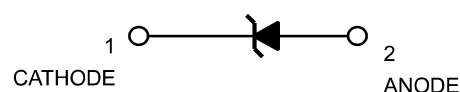


Features

- Small Body Outline Dimensions: 0.039" x 0.024" (1.0 mm x 0.60 mm)
- Low Body Height: 0.020" (0.50 mm)
- Stand-off Voltage: 24V
- Low Leakage
- Response Time is Typically < 1 ns
- ESD Rating of Class 3 (> 16 kV) per Human Body Model
- IEC61000-4-2 Level 4 ESD Protection
- These are Pb-Free Devices
- We declare that the material of product compliance with RoHS requirements.



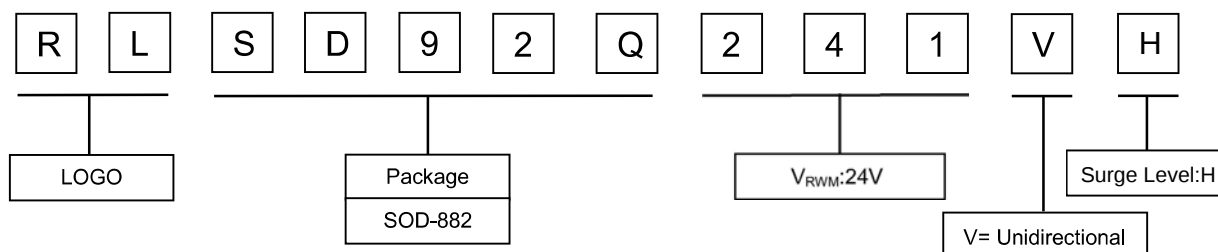
Electrical symbol



Applications

- Cellular phones audio
- MP3 players
- Digital cameras
- Portable applications
- Mobile telephone

Part Number Code



Absolute Maximum Rating

Rating	Symbol	Value	Units
Max. Peak Pulse Power ($t_p = 8/20\mu s$)	P_{PK}	1200	mW
ESD Voltage (Contact)	V_{ESD}	± 8	Kv
ESD Voltage (Air)	V_{ESD}	± 15	Kv
Lead Solder Temperature - Max. (10 Second Duration)	T_L	260	$^{\circ}C$
Operating Temperature	T_J	-55 to 150	$^{\circ}C$
Storage Temperature	T_{STG}	-55 to 150	$^{\circ}C$

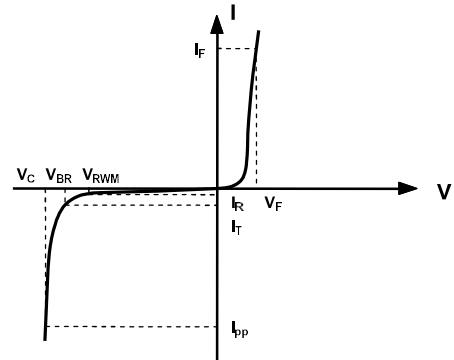
Electrical Characteristics (@ 25 $^{\circ}C$ Unless Otherwise Specified)

Type Number	Reverse Stand-Off Voltage	Min. Breakdown Voltage	Max. Peak Pulse Voltage @ 8/20 μs	Max. Peak Pulse Current @ 8/20 μs	Max. Reverse Leakage @ V_{RWM}	Typical Capacitance
	V_{RWM}	$V_{BR} @ 1mA$	$V_C @ Max. I_{PP}$	I_{PP}	$I_R @ V_{RWM}$	DC=0V $C_J @ 1 MHz$
	V	V	V	A	μA	pF
RLSD92Q241VH	24	26	40	30	1.0	70



Electrical Parameters (T=25°C)

Symbol	Parameter
I_{pp}	Maximum Reverse Peak Pulse Current
V_C	Clamping Voltage @ I_{pp}
V_{RWM}	Working Peak Reverse Voltage
I_R	Maximum Reverse Leakage Current @ V_{RWM}
V_{BR}	Breakdown Voltage @ I_T
I_T	Test Current
I_F	Forward Current
V_F	Forward Voltage @ I_F



Characteristic Curves

Fig 1. 8/20μs Pulse Waveform

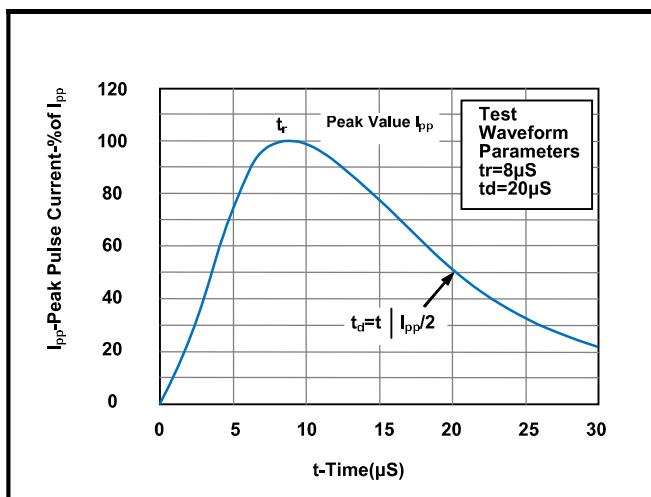


Fig 3. Power Derating Curve

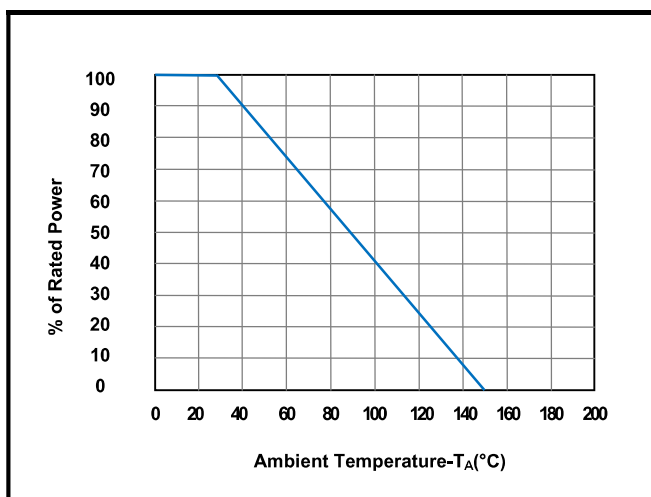


Fig2.ESD Pulse Waveform (according to IEC61000-4-2)

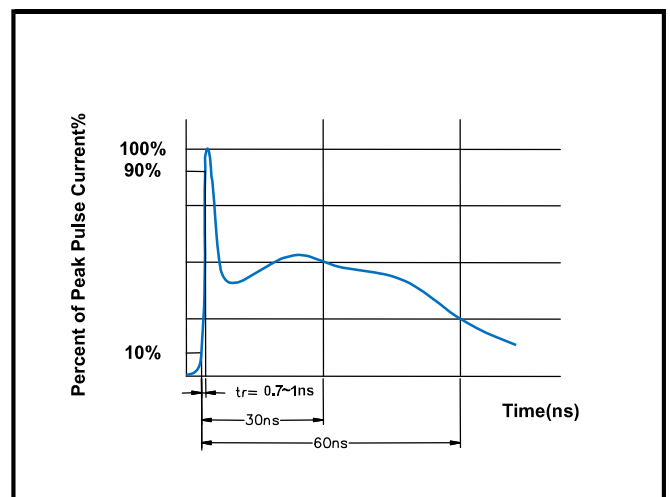


Figure 4.ESD Clamping(8KV Contact per IEC61000-4-2)

