

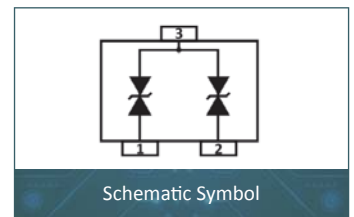
1. FEATURES

- 350W Peak pulse Power Line (tp=8/20us)
- Ultra low leakage :uA level
- Operating voltage: 24.0V
- Low clamping voltage
- Protects two bidirectional lines



2. APPLICATIONS

- RS-232,RS-422&RS-423 Data Lines
- Audio/Video Inputs
- Wireless Network Systems
- Microprocessor Based Equipment
- Medical Sensors
- Notebook Computers



3. IEC COMPATIBILITY

- IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)

4. THERMAL CONSIDERATIONS

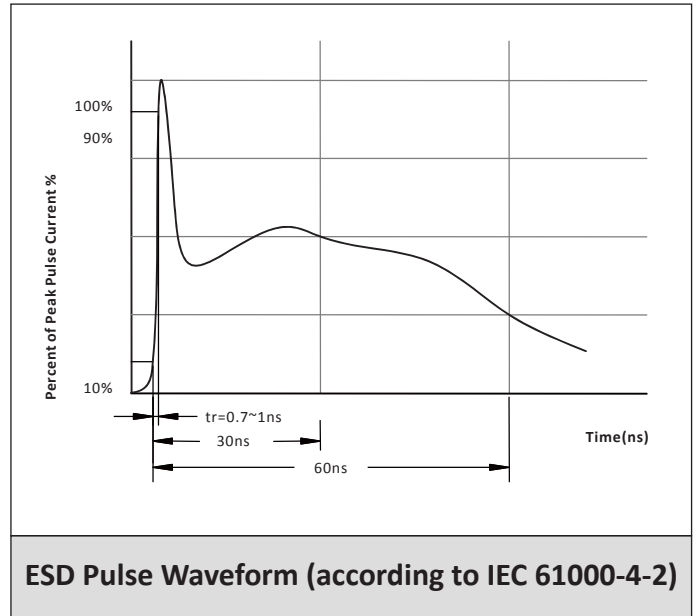
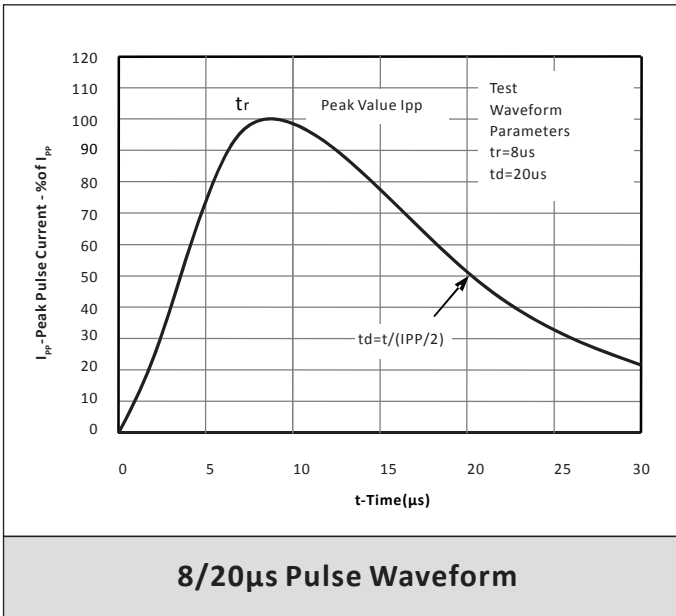
Symbol	Parameter	Value	Unit
P _{PP}	Peak Pulse Power (tp=8/20μs waveform)	350	Watts
T _J	Operating Temperature Range	-55 to +150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

5. ELECTRICAL CHARACTERISTICS

Part Number	Device Marking Code	V _{RWM}	V _{BR}	I _T	V _{C@1A}	V _{C@7A}	I _R	C _T
		Max.(V)	Min.(V)	(mA)	Max.(V)	Max.(V)	Max.(uA)	Max.(pF)
SESMC24	C24	24.0	26.7	1.0	43.0	52.0	1.0	50.0

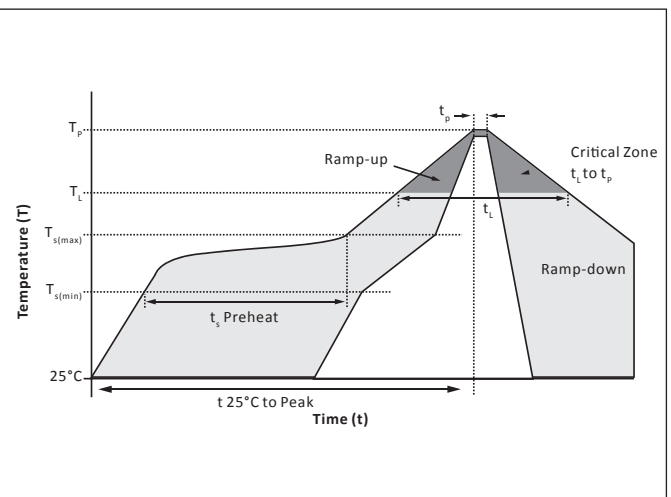


6. CHARACTERISTIC CURVES

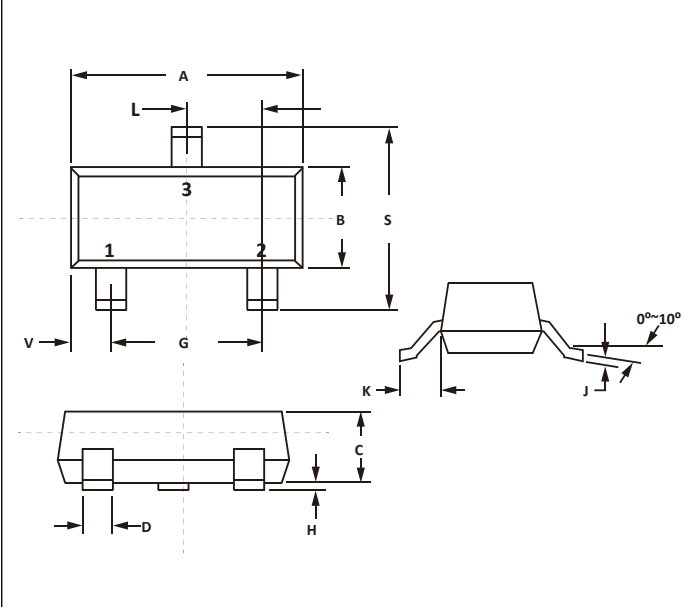


7. SOLDERING PARAMETERS

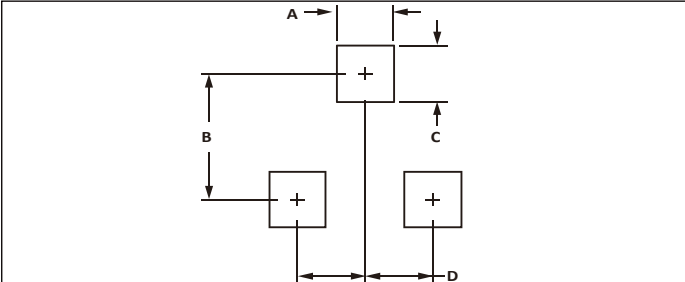
Reflow Condition		Lead-free assembly
Pre Heat	Temperature Max ($T_{s(min)}$)	150°C
	Temperature Max ($T_{s(max)}$)	200°C
	Time (min to max) (t_g)	60 – 180 secs
Average ramp up rate (Liquidus Temp (T_L) to peak)		3°C/second max
$T_{s(max)}$ to T_L - Ramp-up Rate		3°C/second max
Reflow	Temperature (T_L) (Liquidus)	217°C
	Time (min to max) (t_r)	60 – 150 seconds
Peak Temperature (T_p)		260°C
Time within 5°C of actual peak Temperature (t_p)		20 – 40 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (T_p)		8 minutes max.
Do not exceed		260°C



8. SOT-23 PACKAGE INFORMATION

	DIM	Millimeters		Inches	
		Min.	Max.	Min.	Max.
	A	2.80	3.04	0.110	0.120
	B	1.20	1.40	0.047	0.055
	C	0.89	1.11	0.035	0.044
	D	0.37	0.50	0.015	0.020
	G	1.78	2.04	0.070	0.081
	H	0.013	0.100	0.001	0.004
	J	0.085	0.180	0.003	0.007
	K	0.35	0.69	0.014	0.029
	L	0.89	1.02	0.035	0.040
	S	2.10	2.64	0.083	0.104
	V	0.45	0.60	0.018	0.024

9. RECOMMENDED PAD LAYOUT DIMENSIONS

	DIM	Millimeters		Inches	
		Min	Max	Min	Max
	A	0.71	0.97	0.028	0.038
	B	1.88	2.13	0.074	0.084
	C	0.71	0.97	0.028	0.038
	D	0.81	1.07	0.032	0.042

10. ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SESMC24	SOT-23	3000PCS	7"



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