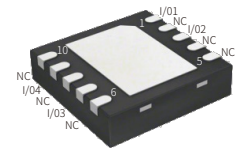


FEATURES

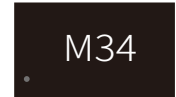
- | 400Watts peak pulse power (tp = 8/20μs)
- | Solid-state silicon-avalanche technology
- | Low clamping voltage
- | Low leakage current
- | Low capacitance (Cj=2.8pF typ. I/O to I/O)

APPLICATIONS

- | USB 2.0
- | 10/100/1000 Ethernet
- | DVI
- | T1/E1 Secondary Protection
- | T3/E3 Secondary Protection
- | Analog Video



DFN2626



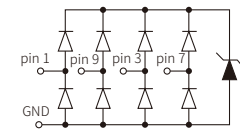
Marking

IEC COMPATIBILITY

- | IEC61000-4-2 (ESD) ±25kV (air), ±25V (contact)
- | IEC61000-4-4 (EFT) 40A (5/50ns)

APPROVALS

- RoHS** Compliance with 2011/65/EU
- HF** Compliance with IEC61249-2-21:2003



Schematic Symbol

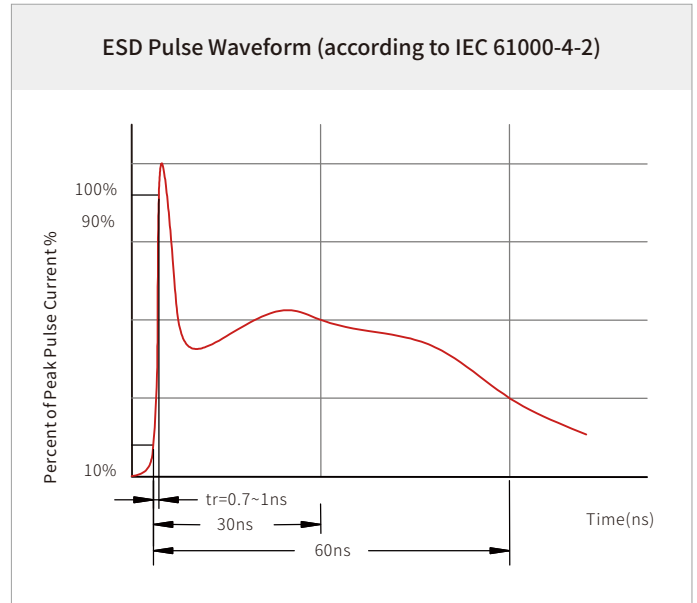
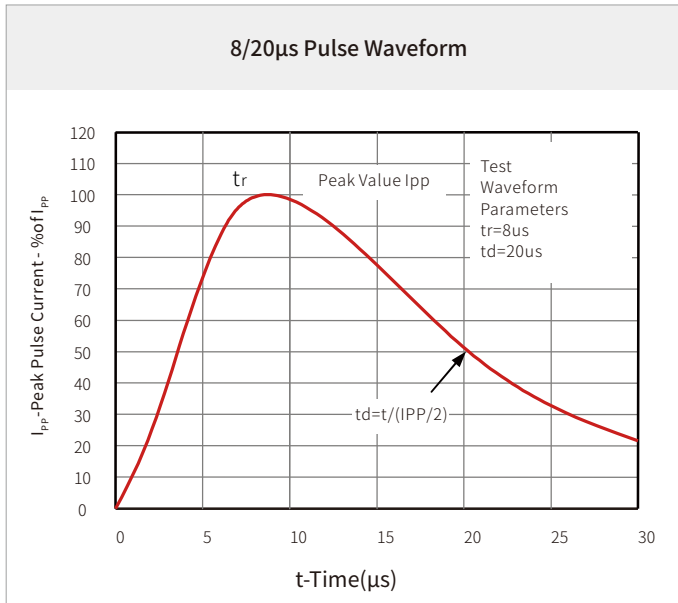
THERMAL CONSIDERATIONS

Symbol	Parameter	Value	Unit
P _{pp}	Peak Pulse Power (tp=8/20μs waveform)	400	Watts
T _J	Operating Temperature Range	-55 to +125	°C
T _{STG}	Storage Temperature Range	-55 to +125	°C

ELECTRICAL CHARACTERISTICS

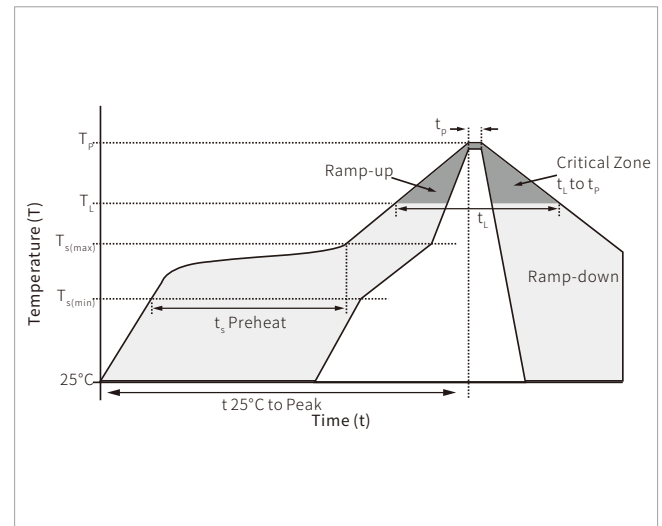
Symbol	Parameter	Condition	Min.	Typ.	Max.	Unit
V _{RWM}	Reverse Stand-off Voltage				3.3	V
V _{BR}	Reverse Breakdown Voltage	I _T =1mA	4			V
I _R	Reverse Leakage Current	V _{RWM} =3.3V, T=25°C		0.2	0.5	μA
V _C	Clamping Voltage	I _{pp} =26A, tp=8/20μs		17		V
I _{pp}	Peak Pulse Current	tp=8/20μs			26	A
C _J	Junction Capacitance	V _R =0V, f=1MHz I/O to I/O		2.8		pF
		V _R =0V, f=1MHz I/O to GND		5.5		pF

CHARACTERISTIC CURVES

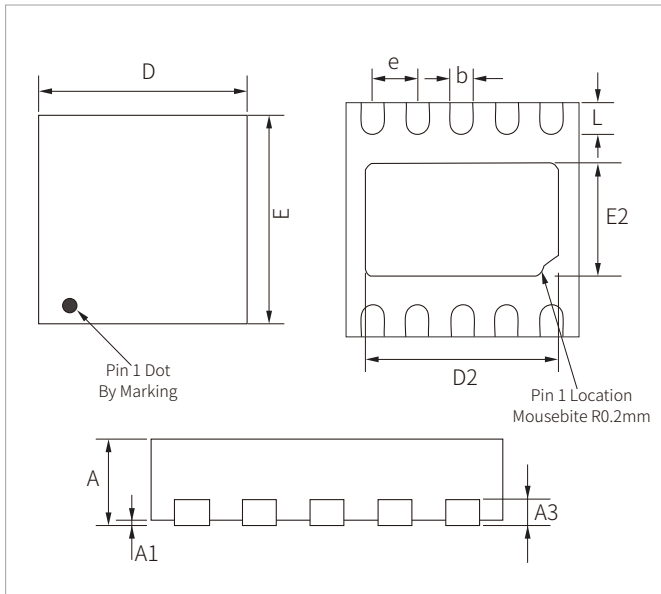


SOLDERING PARAMETERS

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_s)	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_L)	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



DFN2626 PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	0.45	0.65	0.018	0.026
A1	0	0.05	0	0.002
A3	0.15REF		0.006REF	
D	2.50	2.70	0.100	0.106
E	2.50	2.70	0.100	0.106
D2	2.00	2.25	0.079	0.088
E2	1.11	1.36	0.044	0.053
b	0.20	0.30	0.008	0.012
L	0.25	0.45	0.010	0.018
e	0.5BSC		0.020BSC	

ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SE26F40U3.3LD1	DFN2626	3000PCS	7"

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By QR Code

Website



Wechat

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