MSKSEMI 美森科













FSD

TVS

TSS

MOV

GDT

PIFD

NUP3105LT1G

Product specification





FEATURES

- IEC61000-4-2 (ESD) ±30kV (Contact)
- ±30kV (Air)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- 350 Watts Peak Pulse Power per (tp=8/20µs)
- Working voltages: 36V
- Low leakage current

MACHANICAL DATA

- SOT-23 package
- Flammability Rating: UL 94V-0
- Packaging: Tape and Reel
- High temperature soldering guaranteed:
- 260C/10s
- Reel size: 7 inch
- MSL 1

APPLICATIONS

- Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA's)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- Networking and Telecom
- Serial and Parallel Ports.
- Peripherals

Reference News

PACKAGE OUTLINE	PIN CONFIGURATION	Marking
SOT-23	1 2	C36



ABSOLUTE MAXIMUM RATING

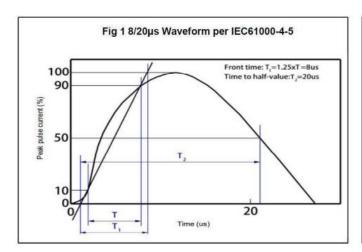
Symbol	Parameter	Value	Units	
/===	ESD per IEC 61000-4-2 (Contact)	±30		
VESD	ESD per IEC 61000-4-2 (Air)	±30	kV	
PPP	Peak Pulse Power (8/20µs)	350	W	
TOPT	Operating Temperature	-55/+150	${\mathbb C}$	
TSTG	Storage Temperature	-55/+150	${\mathbb C}$	
TL	Lead Soldering Temperature	260 (10 sec.)	${\mathbb C}$	

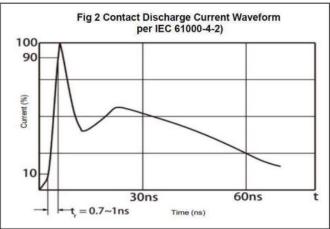
ELECTRICAL CHARACTERISTICS (Tamb=25℃)

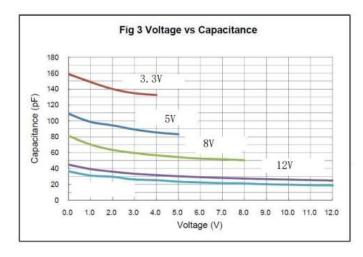
P/N	VRWM (V) (max.)	VB (V) (min.)	IT (mA)	VC@1A (V) (max.)		C V) (@A)	IR (µA) (max.)	CJ (pF) (max.)
NUP3105LT1G	36.0	40.0	1	60.0	75.0	4.5	1	35

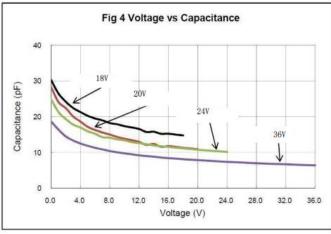


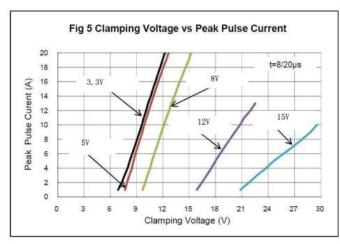
ELECTRICAL CHARACTERISTICS CURVE

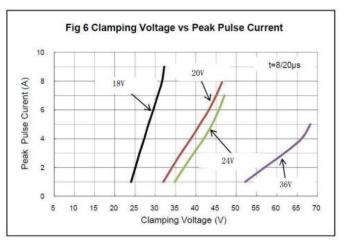






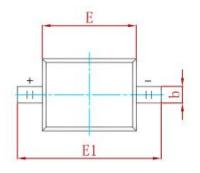


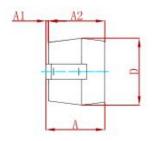


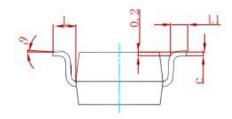




PACKAGE MECHANICAL DATA

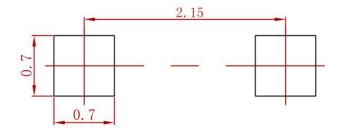






Symbol	Dimensions I	n Millimeters	Dimensions In Inches		
•	Min	Max	Min.	Max	
Α		1.000		0.039	
A1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L	0.475 REF		0.019 REF		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	

Suggested Pad Layout



Note:

- 1.Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
- 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
NUP3105LT1G	SOT-23	3000



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