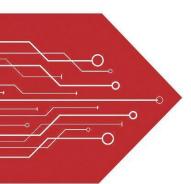
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data sheet

FEATURES

♦ IEC61000-4-2 (ESD) ±8kV (Contact)

±15kV (Air)

- ♦ IEC61000-4-4 (EFT) 40A (5/50ηs)
- ♦ IEC61000-4-5 (Lighting) 3A (8/20µs)
- ♦ 100 Watts Peak Pulse Power (tp=8/20µs)
- ♦ Working voltages : 24V
- ♦ Low clamping voltage
- ♦ Low leakage current

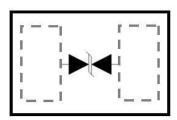


- ♦ DFN1006 package
- ♦ Flammability Rating: UL 94V-0
- ♦ Packaging: Tape and Reel
- ♦ Reel size: 7 inch



DFN1006

PIN CONFIGURATION

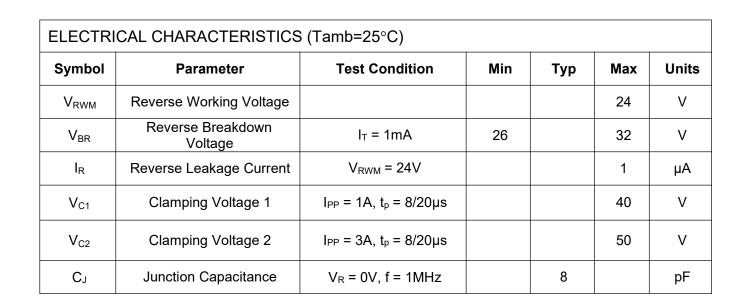


APPLICATIONS

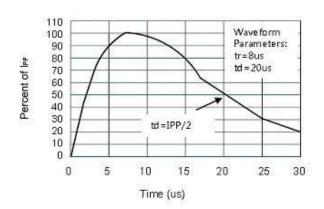
- ♦ Serial and Parallel Ports
- ♦ Notebooks, Desktops, Servers
- ♦ Projection TV
- ♦ Cellular handsets and accessories
- ♦ Portable instrumentation
- ♦ Peripherals

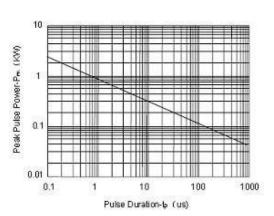
ABSOLUTE MAXIMUM RATING					
Symbol	Parameter Value		Units		
V _{ESD}	ESD per IEC 61000-4-2 (Contact)	±8	kV		
	ESD per IEC 61000-4-2 (Air)	±15			
P _{PP}	Peak Pulse Power (8/20µs)	150	W		
T _{OPT}	Operating Temperature	-55 ~ +125	°C		
T _{STG}	Storage Temperature	-55 ~ +150	°C		
T _L	Lead Soldering Temperature	260 (10 sec.)	°C		





ELECTRICAL CHARACTERISTICS CURVE





Non-Repetitive Peak Pulse Power vs. Pulse Time

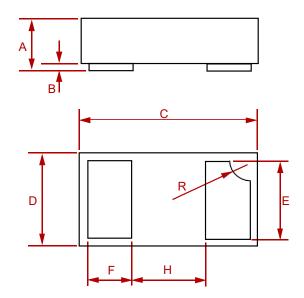
Pulse Waveform



% of Rated Power or Ipp 60 30 10 Ambient Temperature-T_{*} (t)

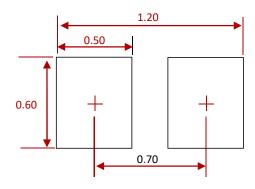


PACKAGE MECHANICAL DATA



D :	Inches		Millimeters	
Dim	MIN	MAX	MIN	MAX
Α	0.0125	0.02	0.32	0.52
В	0.000	0.002	0.00	0.05
С	0.037	0.043	0.95	1.080
D	0.022	0.027	0.55	0.680
E	0.016	0.024	0.40	0.60
F	0.008	0.012	0.20	0.30
Н	0.015Typ.		0.40	Тур.
R	0.001	0.005	0.05	0.15

Suggested Pad Layout



NOTES:

- 1. CONTROLLING DIMENSIONS ARE IN MILLIMETERS (ANGLES IN DEGREES).
- 2. THIS LAND PATTERN IS FOR REFERENCE PURPOSES ONLY. CONSULT YOUR MANUFACTURING GROUP TO ENSURE YOUR COMPANY'S MANUFACTURING GUIDELINES ARE MET.

REEL SPECIFICATION

P/N	PKG	QTY
MSESD10EMC24	DFN1006	10000



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