

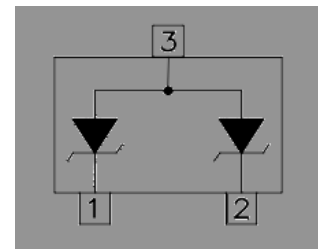


FEATURES

- 350 watts peak pulse power per line ($t_P=8/20\mu s$)
- Protects two I/O lines with uni-directional
- Low clamping voltage
- Working voltage: 36V
- Low leakage current
- RoHS compliant



SOT-23



Pin Configuration

MAIN APPLICATIONS

- RS-232, RS-422 & RS-485
- Servers, notebook, and desktop
- Cellular handsets and accessories
- Control & monitoring systems
- Portable electronics
- Wireless bus protection
- Set-top box

PROTECTION SOLUTION TO MEET

- IEC61000-4-2 (ESD) $\pm 30kV$ (air), $\pm 30kV$ (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (lightning) 4A (8/20 μs)

MECHANICAL CHARACTERISTICS

- SOT-23 package
- Molding compound flammability rating: UL 94V-0
- Weight 8 milligrams (approximate)
- Quantity per reel: 3,000pcs
- Reel size: 7 inch
- Lead finish: lead free
- Marking code: DM2



ABSOLUTE MAXIMUM RATINGS ($T_A=25$, RH=45%-75%, unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak pulse power dissipation on 8/20μs waveform	P _{PP}	350	W
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V _{ESD}	+/- 30 +/- 30	kV
Lead soldering temperature	T _L	260 (10 sec.)	
Operating junction temperature range	T _J	-55 to +125	
Storage temperature range	T _{STG}	-55 to +150	

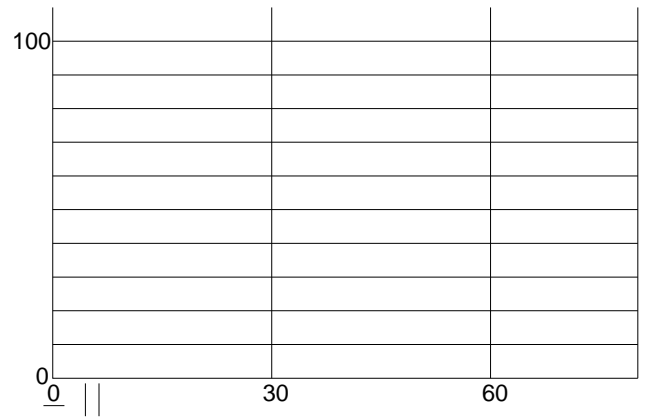
ELECTRICAL CHARACTERISTICS ($T_A=25$)

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse working voltage	V _{RWM}				36	V
Reverse breakdown voltage	V _{BR}	I _T =1mA	40			V
Reverse leakage current	I _R	V _{RWM} =36V			1	μA
Clamping voltage	V _C	I _{PP} =1A, t _P =8/20μs			60	V
		I _{PP} =4A, t _P =8/20μs			75	V
Junction capacitance	C _J	V _{RWM} =0V, f=1MHz		26		pF

Surge waveform: 8/20μs

C_J measured @ V_{RWM}=0V, 1MHz (pin1 to pin3, pin2 to pin3)

RATINGS



PACKAGE MECHANICAL DATA

