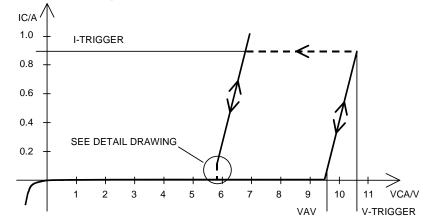
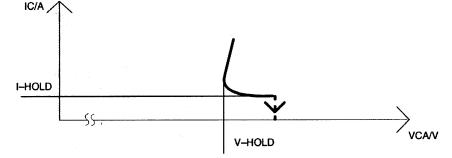
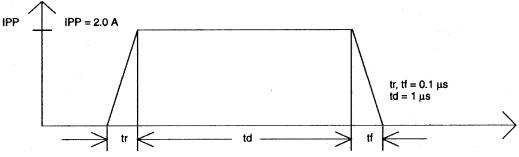
DC CHARACTERISTICS Figure 1



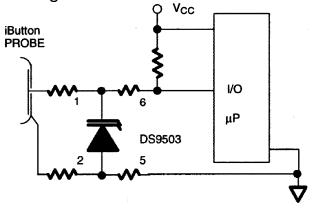
DC CHARACTERISTICS DETAIL DRAWING Figure 2



TEST PULSE WAVEFORM Figure 3



TYPICAL APPLICATION Figure 4



ABSOLUTE MAXIMUM RATINGS*

Operating Temperature Storage Temperature Soldering Temperature Continuous DC Current Through Package -40°C to +85°C -55°C to +125°C 260°C for 10 seconds 80 mA

* This is a stress rating only and functional operation of the device at these or any other conditions above those indicated in the operation sections of this specification is not implied. Exposure to absolute maximum rating conditions for extended periods of time may affect reliability

ELECTRICAL CHARACTERISTICS					(-40°C to +85°C)			
PARAMETER	SYMBOL	MIN	ТҮР	MAX	UNITS	NOTES		
Leakage Current	IL		30	100	nA	1		
Avalanche Voltage	V _{AV}	7.4		11.05	V	2,3		
Trigger Voltage	V _{TRIGGER}		10	11	V	2, 4		
Trigger Current	I _{TRIGGER}			1000	mA	4		
Holding Voltage	V _{HOLD}	5.5			V	2,4		
Holding Current	I _{HOLD}	11			mA	4		
Forward Voltage (-10 mA)	V _F		-0.7	-0.8	V	5		
Forward Current (-0.7V)	$I_{\rm F}$		-10	-100	mA	5		
Maximum Peak Current	I _{PP}		2.0		A	6		
Continuous Current Through Diode	I _{CC}			±80	mA			
Isolation Resistance	RI		5		Ω			
CAPACITANCE (t _A =25°C)								
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	NOTES		
Junction Capacitance (5V)	C _{J5}		40		pF	2		
Junction Capacitance (0V)	C _{J0}		70		pF	2		
THERMAL RESISTANCE								
						NOTES		

PARAMETER	SYMBOL	MIN	ТҮР	MAX	UNITS	NOTES
Junction To Package	$R_{\Theta JC}$			75	K/W	
Junction To Ambient	$R_{\Theta JA}$			200	K/W	

NOTES:

- 1. At 7.0V.
- 2. All voltages are referenced from Cathode to Anode.
- 3. At 0.3 μA.
- 4. Not production tested, guaranteed by design.
- 5. Typical values at room temperature.
- 6. See pulse specification.

REVISION HISTORY

REVISION DATE	DESCRIPTION	PAGES CHANGED
	Added "lead-free" note to the Ordering Information table.	1
	Fixed the X/Y scale in Figure 1.	2
072209	In the <i>Electrical Characteristics</i> table, changed the V_{AV} specification maximum value to 11V; the $V_{TRIGGER}$ specification typical value to 10V and maximum value to 11V; the $I_{TRIGGER}$ specification typical value to a blank; and the IH _{OLD} specification minimum value to an 11mA.	3
	Added note 4 ("Not production tested, guaranteed by design") to the $V_{TRIGGER}$, $I_{TRIGGER}$, V_{HOLD} , and I_{HOLD} specifications in the <i>Electrical Characteristics</i> table.	3

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