Mostimum Depetating Voltage Volt		Specification Symbol Condition / Comment							HTS 1500-1000 SCR	Unit		
Name Description Vision Section Vision Vis		• •									kVDC	
Name							/ GND. continue	ously	_		kVDC	
Max. Nami Repetitive Peek Current Value		· · · · · · · · · · · · · · · · · · ·							kVDC			
250												
Max. Character Pears. Latest Vict. Feet Fee				,	25°C	t _p < 1 ms, duty cycle				5000	ADC	
Max. Character Pears. Latest Vict. Feet Fee												
Max. Character Pears. Latest Vict. Feet Fee												
Max. Continuous Proven Despation		Max. Non-Repetitive Peak Current		$I_{p(nr)}$							ADC	
Max. Continuous Proven Despation		Max. Coutinuous Load Current			25°C	Half sine single puls						
Max. Continuous Proven Despation				l _L	T _{case} = 25	5°C					ADC	
Max. Continuous Proven Despation		May Rate of Pice of OFF State Voltage		dv/dt							kV/ μs	
Operating Temperature Range		IVIAA. I VAIG-OI-NISE OI OFF-SIAIE VOITAGE		uv/ut	@ V _{O(max)} , exponential waveform					123	κν/ μο	
Operating Temperature Range	5	Max. Continuous Power Dissipation		P _{d(max)}			FC, forced air 4 m/s			80	Watt	
Operating Temperature Range	ABSOL	, and the second			Tcase - 25 C	Whit Option CF						
Operating Temperature Range					Above 25°C						W/K	
Stronge Temperature Range Ta				_	Whit Option CF					C°		
Max. Auxiliary Voltage									C°			
Mark Auxiliary Voltage Vo. Bull+in over-orlage interfur (epitoceable) 5 0. x 150 K									mT			
Permissible Operating Voltage Range		•							VDC			
Typical Floridor Current Typical Floridor Curr					Jan. in 515.15ttags in the (replaced 515)				kVDC			
Typical Off State Current					NOTE: V _{br} is a test parameter for quality				kVDC			
Typical Propagation Delay Time		,,			control purp	ontrol purposes only. Not applicable in						
Typical On-State Voltage				loff	0.8xV ₀ , I ₀	_{ase} =25/0°C, reduce					μADC	
Typical Chr. State Voltage Valid		Typical Holding Current									mADC	
\$\frac{1}{4}\squares \text{, st. duty cycle < 1%} \text{, lost \text{, cycle < 1%} \text{, lost \text{, loss of } 8330 \text{, lost \text{, lost of } 8330 \text{, lost of }		Typical On-State Voltage	,	V	Each switching nath		11111				1	
10.x		Typical OII-State Voltage		v sat								
Typical Propagation Delay Time					φ .μ.σ,	, .,					VDC	
Typical Turn-On Rise Time Lipst Resistive load, 10-90% 0.1 x Vormack, 1 = 0.1 x Lipson 130 0.8 x Vormack, 1 = 0.1 x Lipson 130 0.8 x Vormack, 1 = 0.1 x Lipson 130 0.8 x Vormack, 1 = 0.1 x Lipson 130 0.8 x Vormack, 1 = 0.1 x Lipson 130 0.8 x Vormack, 1 = 0.1 x Lipson 130 0.8 x Vormack, 1 = 0.1 x Lipson 130 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Vormack, 1 = 0.1 x Lipson 140 0.8 x Lipson		Typical Propagation Delay Tin	me 1	t _{d(on)}	Resistive I	load, 0.1 x I _{P(max)} , 0.8 x		Ď		1	μs	
Max. Continuous Switching Frequency	ECTRICAL	Typical Output Pulse Jitter		tj	Impedance matched input, Vaux /					50	ns	
Max. Continuous Switching Frequency		Typical Turn-On Rise Time		t _{r(on)}	Resistive I							
Max. Continuous Switching Frequency												
Max. Continuous Switching Frequency		Tariasi Taras Off Time				1 10 000/					ns	
Max. Continuous Switching Frequency		Typical Turn-Oπ Time		$t_{\text{off}}, t_{\text{q}}$	Resistive						ns	
Max. Continuous Switching Frequency		On Time		+					ix)		ne	
Max. Continuous Switching Frequency firms Please note the PD limitations 200				Standard devices						ns µs		
Max. Continuous Switching Frequency films Please note the PD limitations! 200		Internal Briter receivery rune		40							μο	
Maximum Burst Frequency		Max. Continuous Switching Frequency f		f _(max)							Hz	
With Option HFB, I _{spirated} <3A, please consult factory 10		. ,			Please note the PD limitations!							
Maximum Number of Pulses / Burst N _(max) Coupling Capacitance C C HV side against control side 2280 Control Voltage Range V _{aux} The V _{ar} has no impact on the output pulse shape. 45 \ V and the specified and the HFS mode. 5 \ V and the specified and the HFS mode. 5 \ V and the specified and the HFS mode. 5 \ V and the specified and the HFS mode. 5 \ V and the specified and the HFS mode. 5 \ V and the specified and the HFS mode. 600 mm Fault Signal Output Switch will be turn off, if ff _{max} , V _{aux} 4.75V or T _{case} 75°C H=4V, L=0.5V T and the Voltage Range V _{tra} Switching behaviour is not influenced by trigger quality < 10 \ V and the specified and the specified max. Tequency f _{max} trigger contact the manufactured maximum the provision of the specified max. Tequency f _{max} trigger and the manufactured provision. 9 Pin 1 / Yellow. TTL compatible with Schmitt-Trigger characteristics. Control voltage 2-10 V (3-5 V recommended for low jitter). Pin 2 / Black. The ground pin is internally connected with the safety earthing terminal (threaded insert) on bottom side. 9 Pin 3 / Red. The 5 V input is used for rep rates up to the specified max. Tequency f _{max} , trigger rep rates require option HFS. Pin 4 / Orange. TTL output; short circuit proof. Indicating switch & driver over-heat, over-frequency, low auxiliary voltage. L = Fault. Pin 5 / Green. TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited. Pin 5 / Green. TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited. Pin 5 / Green. TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited. Pin 5 / Green. TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited. Pin 5 / Green. TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited. Pin 5 / Green. TTL compatibl		Maximum Burst Frequency		f _{b(max)}	11 / 1					kHz		
Coupling Capacitance Control Voltage Range Veril The Veril has no impact on the output pulse shape. Auxiliary Supply Voltage Range Veril The Veril has no impact on the output pulse shape. Auxiliary Supply Voltage Range Veril The Veril has no impact on the output pulse shape. 4 5 Veril The Veril has no impact on the output pulse shape. 4 5 Veril The Veril has no impact on the output pulse shape. 4 5 Veril The Veril has no impact on the output pulse shape. 5 Veril The Veril has no impact on the output pulse shape. 4 5 Veril The Veril has no impact on the output pulse shape. 5 Veril The Veril has no impact on the output pulse shape. 5 Veril The Veril has no impact on the output pulse shape. 6 Ool x firmed 9 Ool x firmed 6 Ool x firmed 9 Ool firmed 6 Ool x firmed 9 Ool x firmed 9 Ool firmed 9 Ool x firmed 9 Ool firmed 9 Ool x firmed 9 Ool firmed 9					With Option HFB, I _{p(max)} <3A, please consult factory							
Control Voltage Range Vant The Vant has no impact on the output pulse shape. 4		Maximum Number of Pulses / Burst		$N_{(max)}$						1	Pulses	
Control Voltage Range Auxiliary Supply Voltage Range Vant The Vant has no impact on the output pulse shape. 45 Value 5 yupply is not required in the HFS mode. 5 Value 5 yupply Current Iaux Value 5 yupply is not required in the HFS mode. 5 Value 5 yupply Current Iaux Value 6 yupply Current Iaux Value 7 yupply Current Iaux Value 7 yupply Current Image 1 yupply Current Iaux Value 6 yupply Current Image 1 yupply Current Iaux Value 6 yupply Current Iaux Value 7 yupply Current Iaux Value 6 yupply Current Iaux Value 7 yupply Current Iaux Value 6 yupply Current Iaux Value		Counling Canacitance		Co	HV side a	gainst control side				>280	pF	
Auxiliary Supply Voltage Range Typical Auxiliary Supply Current Typical Auxiliary Supply Current Typical Auxiliary Supply Current Trigger Voltage Range Typical Auxiliary Supply Trigger Voltage Range Trigger Voltage Ranger Trigger Vo	3				1					VDC		
Active current limitation above 1A. © f _(max) 600 mr					The +5 V supply is not required in the HFS mode.				5	VDC		
Fault Signal Output Fault Signal Output		7 11 0		l _{aux}	$V_{aux} = 5.00$	VDC, T _{case} = 25°C.		0.01 x f _(max)		TBD.		
Trigger Voltage Range Trigger Voltage Range Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching behaviour is not influenced by trigger quality <10 Vtr Switching beacontact the manufactured! <10 Vtr Switching beacontact the											mADC	
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