

**ELECTRICAL CHARACTERISTICS (  $T_A = 25^\circ\text{C}$  Unless otherwise noted )**

PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage ( $V_F$ )		1.2	1.4	V	$I_F = 20\text{mA}$
	Reverse Current ( $I_R$ )		0.05	10	$\mu\text{A}$	$V_R = 6\text{V}$
Output	Peak Off-state Current ( $I_{\text{DRM}}$ )	600		500	nA	$V_{\text{DRM}} = 600\text{V}$ (note 1)
	Peak Blocking Voltage ( $V_{\text{DRM}}$ )				V	$I_{\text{DRM}} = 500\text{nA}$
	On-state Voltage ( $V_{\text{TM}}$ )			3.0	V	$I_{\text{TM}} = 100\text{mA}$ ( peak )
	Critical rate of rise of off-state Voltage ( $dv/dt$ )	600	1500		V/ $\mu\text{s}$	
Coupled	Input Current to Trigger ( $I_{\text{FT}}$ )(note 2 )					$V_{\text{TM}} = 3\text{V}$ ( note 2 )
	IS620			30	mA	
	IS621			15	mA	
	IS622			10	mA	
	IS623			5	mA	
	Holding Current , either direction ( $I_H$ )	5300	400		$\mu\text{A}$	See note 3
	Input to Output Isolation Voltage $V_{\text{ISO}}$				$V_{\text{RMS}}$	
Zero Crossing Characteristic	Inhibit Voltage ( $V_{\text{IH}}$ )				20	$I_F = \text{Rated } I_{\text{FT}}$ MT1-MT2 Voltage above which device will not trigger $I_F = \text{Rated } I_{\text{FT}}$ $V_{\text{DRM}} = 600\text{V}$ off-state
	Leakage in Inhibited State ( $I_S$ )			500	$\mu\text{A}$	

Note 1. Test voltage must be applied within  $dv/dt$  rating.

Note 2. Guaranteed to trigger at an  $I_F$  value less than or equal to max.  $I_{\text{FT}}$ , recommended  $I_F$  lies between Rated  $I_{\text{FT}}$  and absolute max.  $I_{\text{FT}}$ .

Note 3. Measured with input leads shorted together and output leads shorted together.