

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

PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V_F) Reverse Current (I_R)		1.2	1.4 10	V μA	$I_F = 20\text{mA}$ $V_R = 6\text{V}$
Output	Peak Off-state Current (I_{DRM}) Peak Blocking Voltage (V_{DRM}) On-state Voltage (V_{TM}) Critical rate of rise of off-state Voltage (dv/dt)	800		500 3.0	nA V V $\text{V}/\mu\text{s}$	$V_{\text{DRM}} = 800\text{V}$ (note 1) $I_{\text{DRM}} = 500\text{nA}$ $I_{\text{TM}} = 100\text{mA}$ (peak)
Coupled	Input Current to Trigger (I_{FT})(note 2) MOC3080 MOC3081 MOC3082 MOC3083 Holding Current , either direction (I_H) Input to Output Isolation Voltage V_{ISO}			30 15 10 5	mA mA mA mA μA V_{RMS}	$V_{\text{TM}} = 3\text{V}$ (note 2) See note 3
Zero Crossing Charact- -eristic	Inhibit Voltage (V_{IH})			20	V	$I_F = \text{Rated } I_{\text{FT}}$ MT1-MT2 Voltage above which device will not trigger

Note 1. Guaranteed to trigger at an I_F value less than or equal to max. I_{FT} , recommended I_F lies between Rated I_{FT} and absolute max. I_F .

Note 2. Measured with input leads shorted together and output leads shorted together.