

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	1.5 10	V μA	I _F =20mA V _R =6V
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)	250 600	 1500	500 3.0	nA V V V/μs	V _{DRM} = 250V (note 1) I _{DRM} = 500nA I _{TM} = 100mA (peak)
Coupled	Input Current to Trigger (I _{FT})(note 2) MOC3030 MOC3031 MOC3032 MOC3033 Holding Current , either direction (I _H) Input to Output Isolation Voltage V _{ISO}	 5300 7500	 400	30 15 10 5 μA	mA mA mA mA V _{RMS} V _{PK}	V _{TM} = 3V (note 2) See note 3 See note 3
Zero Crossing Charact- -eristic	Inhibit Voltage (V _{IH}) Leakage in Inhibited State (I _S)			20 500	V μA	I _F = Rated I _{FT} MT1-MT2 Voltage above which device will not trigger I _F = Rated I _{FT} V _{DRM} = 250V off-state

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_{FT} , recommended I_F lies between Rated I_{FT} and absolute max. I_F .

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