ELECTRICAL CHARACTERISTICS (T_A = 25°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 = 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)	 400 600	 1500	500 3.0 	nA V V V/µs	V_{DRM} = 400V (note 1) I_{DRM} = 500nA I_{TM} = 100mA (peak)
Coupled	Input Current to Trigger (I_{FT})(note 2) MOC3040 MOC3041 MOC3042 MOC3043 Holding Current , either direction (I_H) Input to Output Isolation Voltage V_{ISO}	 5300 7500	 400	 30 15 10 5 	 mA mA mA mA µA 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} = Rated V_{DRM} 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.