

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

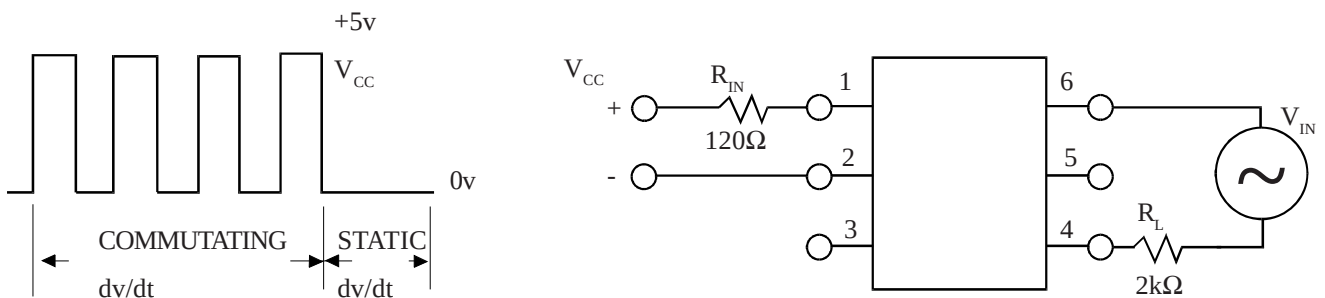
PARAMETER		MIN	TYP	MAX	UNITS	TEST CONDITION
Input	Forward Voltage (V _F) Reverse Current (I _R)		1.2	1.5 100	V μA	I _F = 10mA V _R = 6V
Output	Peak Off-state Current (I _{DRM}) Peak Blocking Voltage (V _{DRM}) On-state Voltage (V _{TM}) Critical rate of rise of off-state Voltage (dv/dt) (note 1) Critical rate of rise of commutating Voltage (dv/dt) (note 1)	400		100 1.5 3.0 10 0.1	nA V V V/μs V/μs	V _{DRM} = 400V (note 1) I _{DRM} = 100nA I _{TM} = 100mA (peak) I load = 15mA, V _{IN} = 30V (fig 1.)
Coupled	Input Current to Trigger (I _{FT})(note 2) MOC3020 MOC3021 MOC3022 MOC3023 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 _{PK}	V _D = 3V (note 2) See note 3 See note 3

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

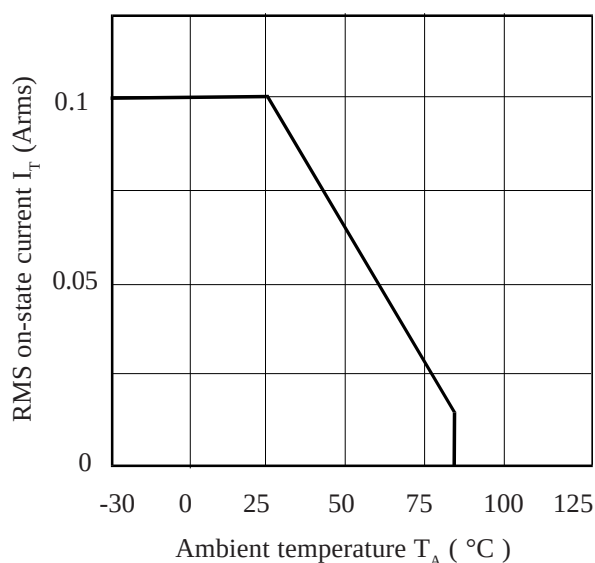
Note 2. Guaranteed to trigger at an I_F value less than or equal to max. I_{FT} , recommended I_F lies between Rated I_{FT} and absolute max. I_{FT} .

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

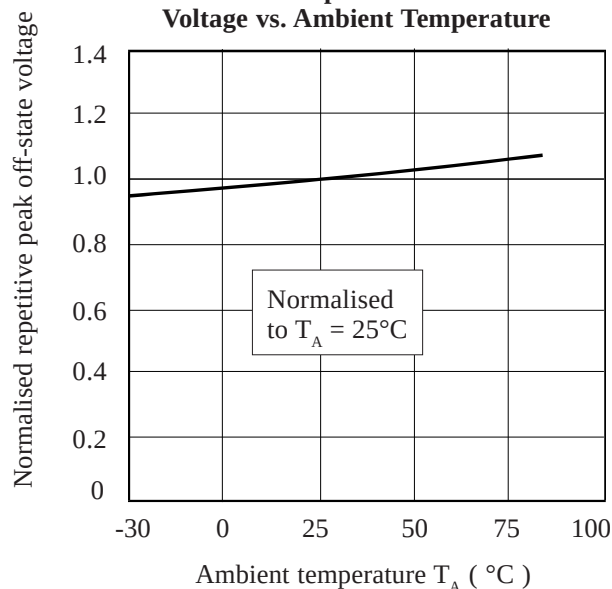
FIGURE 1



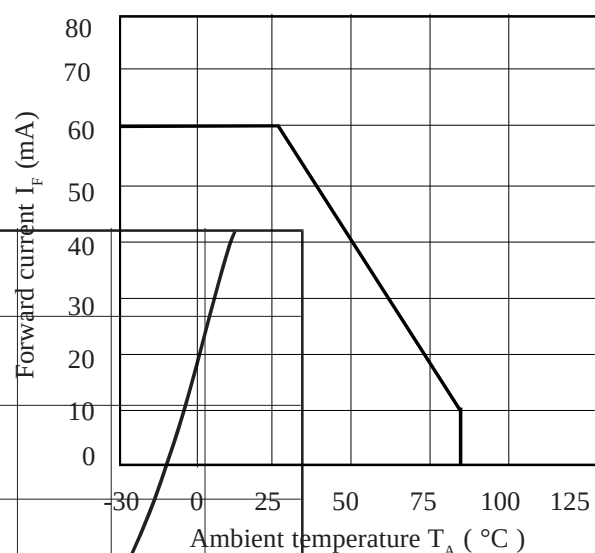
RMS On-state Current vs. Ambient Temperature



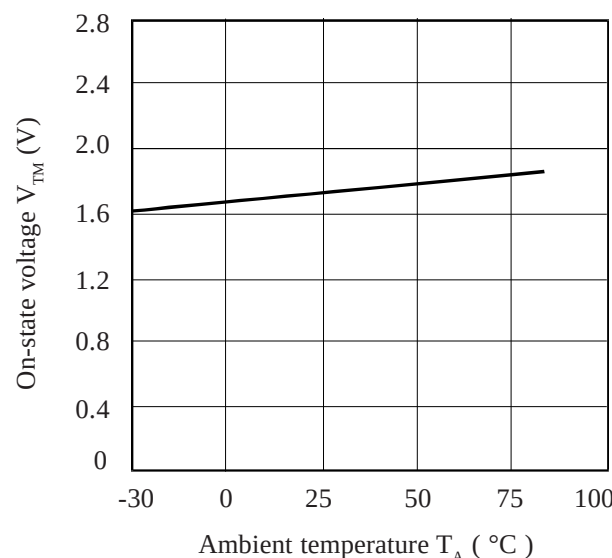
Normalised Repetitive Peak Off-state Voltage vs. Ambient Temperature



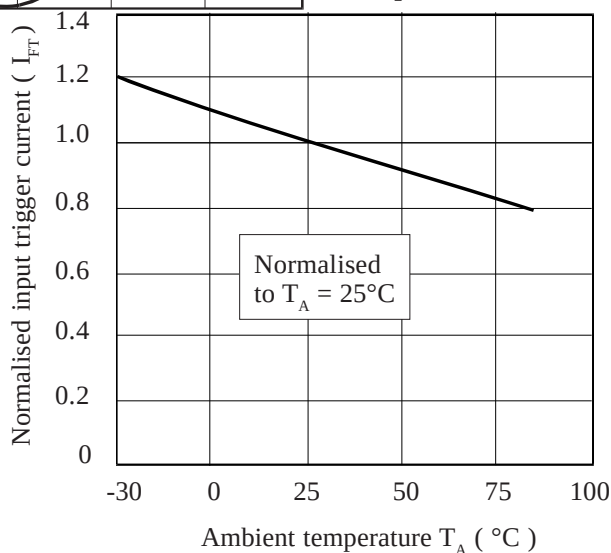
Forward Current vs. Ambient Temperature



On-state Voltage vs. Ambient Temperature



Normalised Input Trigger Current vs. Ambient Temperature



On-state Current vs. On-state Voltage

