

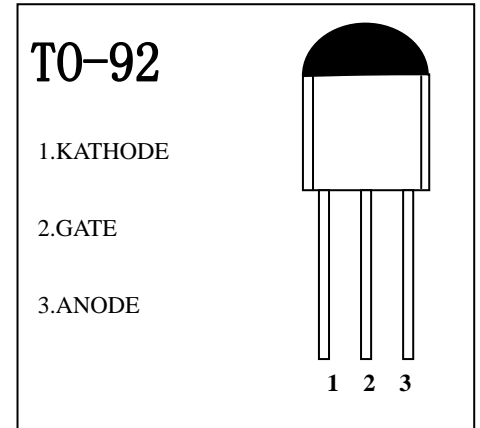


TO-92 Plastic-Encapsulate Thyristors

XL1225

MAIN FEATURES

| Symbol | Value | Unit |
|--------------|------------|------|
| $I_{T(RMS)}$ | 0.8 | A |
| VDRM | 400 | V |
| T_J | -40 to 125 | °C |
| Tstg | -55 to 150 | °C |



ELECTRICAL CHARACTERISTICS($T_{amb}=25^{\circ}C$ unless otherwise specified):

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN | MAX | UNIT |
|-----------------------------------|-----------------|--|-----|------|------|
| ON-STATE Voltage | V _{TM} | $I_T=0.8A; I_J=25^{\circ}C$ | -- | 1.93 | V |
| Gate Trigger Voltage | V _{GT} | $V_D=7V$ | -- | 0.8 | V |
| Repetitive Peak Off-state Voltage | VDRM | $T_J=(40-125)^{\circ}C$ $R_{GK}=1K\Omega$ | 400 | -- | V |
| Off State Leakage Current | IDRM | $V_{DRM}; R_{GK}=1K\Omega$ $T_J=125^{\circ}C$ | | 100 | uA |
| | | $V_{DRM}; R_{GK}=1K\Omega$ $T_J=25^{\circ}C$ | | 1.0 | |
| Holding Current | I _H | $R_{GK}=11K\Omega$ | | 5 | mA |
| Gate Trigger Current | I _{GT} | $V_D=7V$ | | 100 | uA |