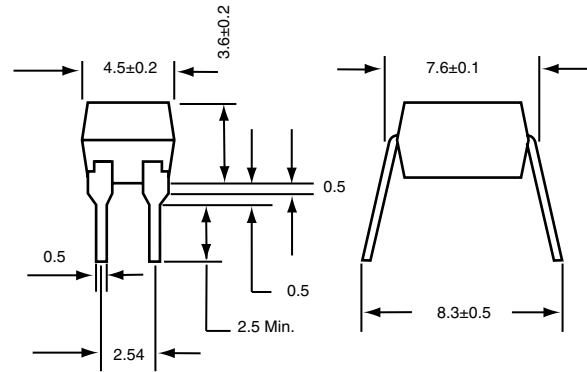


# PHOTO COUPLERS

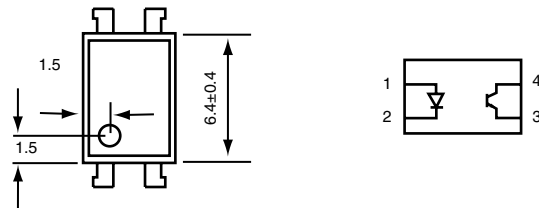
## FEATURES:

- Large Current Transfer Ratio
- Isolation Voltage Between Input and Output
  - HPC522/532/542  $V_{iso} = 2500V_{rms}$  (Min.)
  - HPC722/732/742  $V_{iso} = 4000V_{rms}$  (Min.)
  - HPC922/932/942  $V_{iso} = 5000V_{rms}$  (Min.)
- Plastic DIP Package
- UL File # E178703



## USES:

- Transmission and conversion of Digital Logic
- Power control and switch
- Electric insulation and impedance conversion between systems



## HPC522/722/922

## Maximum Ratings ( $T_a = 25^\circ$ )

| CHARACTERISITIC                              |  | Unit       | Rating.     |
|--|--|------------|-------------|
| LED  | Forward Current ( $I_{FM}$ )                               | mA         | 50          |
|  | Power Dissipation ( $P_M$ )                                | mW         | 75          |
|  | Reverse Voltage ( $V_R$ )                                  | V          | 5           |
| DETECTOR                                     | Collector Emitter Reverse Breakdown Voltage ( $BV_{CEO}$ ) | V          | 55          |
|  | Collector DC ( $I_{CM}$ )                                  | mA         | 50          |
|  | Collector Power Dissipation ( $P_{CM}$ )                   | mW         | 150         |
| Storage Temperature Range ( $T_{ST}$ )       |  | $^\circ C$ | -55 to +185 |
| Storage Temperature Range ( $T_{ST}$ )       |  | $^\circ C$ | -30 to +100 |
| Soldering Temperature (10 Seconds) ( $T_h$ ) |  | $^\circ C$ | 260         |
| Total Power Dissipation ( $P_T$ )            |  | mW         | 250         |