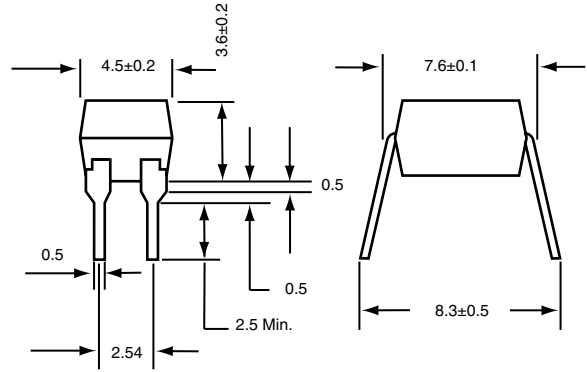


# PHOTO COUPLERS

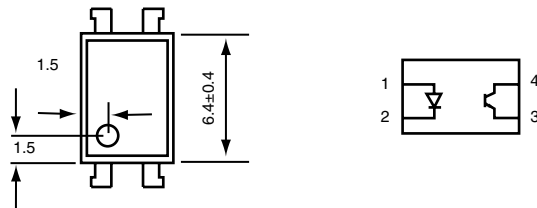
## FEATURES:

- 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