

| Transistor Output | | | | | | | | |
|-------------------|--|--|--------------------------|----------------------------|------------------------------|------------------------------------|---|---|
| Part Number | Features | Current Transfer Ratio $I_F = 5\text{mA}$ $V_{CE} = 5\text{V}$ | Isolation Voltage | Continuous Forward Current | V_F $I_F = 20\text{mA}$ | BV_{CEO} $I_C = 0.5\text{mA}$ | $I_{CEO(\text{Dark})}$ $V_{CE} = 20\text{V}$ | $V_{CE(\text{SAT})}$ $I_F = 20\text{mA}$ $I_C = 1\text{mA}$ |
| | | Min (%) | Min (KV _{RMS}) | Max (mA) | Max (V) | Min (V) | Max (nA) | Max (V) |
| IS121 | Single channel Optocoupler with a Phototransistor Output | 50-600 | 3.75 | 50 | 1.4 | 35 | 100 | 0.2 |
| IS181 | | | | | | | | |
| IS2701-1 | | | | | | | | |
| IS357 | | | | | | | | |
| IS357A | | | | | | | | |
| IS357B | | | | | | | | |
| IS357C | | | | | | | | |
| IS357D | | | | | | | | |

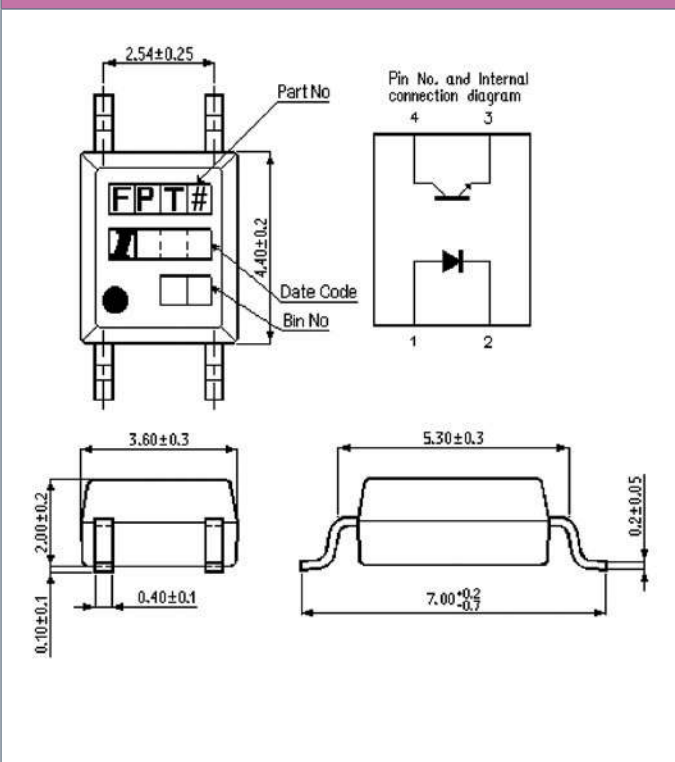
| AC Input | | | | | | | | |
|-------------|---|--|--------------------------|----------------------------|----------------------------------|------------------------------------|---|---|
| Part Number | Features | Current Transfer Ratio $I_F = \pm 1\text{mA}$ $V_{CE} = 5\text{V}$ | Isolation Voltage | Continuous Forward Current | V_F $I_F = \pm 20\text{mA}$ | BV_{CEO} $I_C = 0.1\text{mA}$ | $I_{CEO(\text{Dark})}$ $V_{CE} = 20\text{V}$ | $V_{CE(\text{SAT})}$ $I_F = \pm 20\text{mA}$ $I_C = 1\text{mA}$ |
| | | Min (%) | Min (KV _{RMS}) | Max (mA) | Max (V) | Min (V) | Max (nA) | Max (V) |
| IS126 | Single channel Optocoupler with two infrared LED's wired in inverse parallel allowing operation with AC input voltage | 20-400 | 3.75 | ± 50 | 1.4 | 35 | 100 | 0.2 |
| IS2705-1 | | | | | | | | |
| IS354 | | | | | | | | |
| IS354A | | | | | | | | |

| Darlington Output | | | | | | | | |
|-------------------|---|--|--------------------------|----------------------------|------------------------------|------------------------------------|---|---|
| Part Number | Features | Current Transfer Ratio $I_F = 1\text{mA}$ $V_{CE} = 2\text{V}$ | Isolation Voltage | Continuous Forward Current | V_F $I_F = 20\text{mA}$ | BV_{CEO} $I_C = 0.1\text{mA}$ | $I_{CEO(\text{Dark})}$ $V_{CE} = 20\text{V}$ | $V_{CE(\text{SAT})}$ $I_F = 20\text{mA}$ $I_C = 1\text{mA}$ |
| | | Min (%) | Min (KV _{RMS}) | Max (mA) | Max (V) | Min (V) | Max (μA) | Max (V) |
| IS355 | Single channel Optocoupler with a Photo-Darlington Transistor | 600-7500 | 3.75 | 50 | 1.4 | 35 | 1 | 1 |
| IS2702-1 | | | | | | | | |

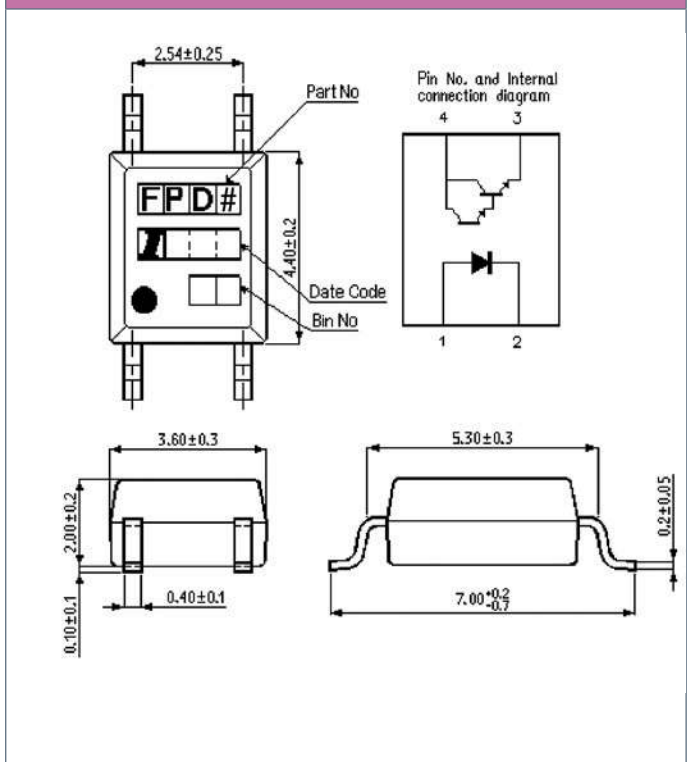
| Darlington Output - High Voltage | | | | | | | | |
|----------------------------------|---|--|--------------------------|----------------------------|------------------------------|------------------------------------|--|---|
| Part Number | Features | Current Transfer Ratio $I_F = 1\text{mA}$ $V_{CE} = 2\text{V}$ | Isolation Voltage | Continuous Forward Current | V_F $I_F = 10\text{mA}$ | BV_{CEO} $I_C = 0.1\text{mA}$ | $I_{CEO(\text{Dark})}$ $V_{CE} = 200\text{V}$ | $V_{CE(\text{SAT})}$ $I_F = 20\text{mA}$ $I_C = 100\text{mA}$ |
| | | Min (%) | Min (KV _{RMS}) | Max (mA) | Max (V) | Min (V) | Max (nA) | Max (V) |
| IS2732-1 | Single channel Optocoupler with a Photo-Darlington Transistor with a high operating voltage | 1000 | 3.75 | 50 | 1.4 | 300 | 200 | 1.2 |
| IS452 | | | | | | | | |
| IS127 | | | | | | | | |

4 Pin Mini Flat Package

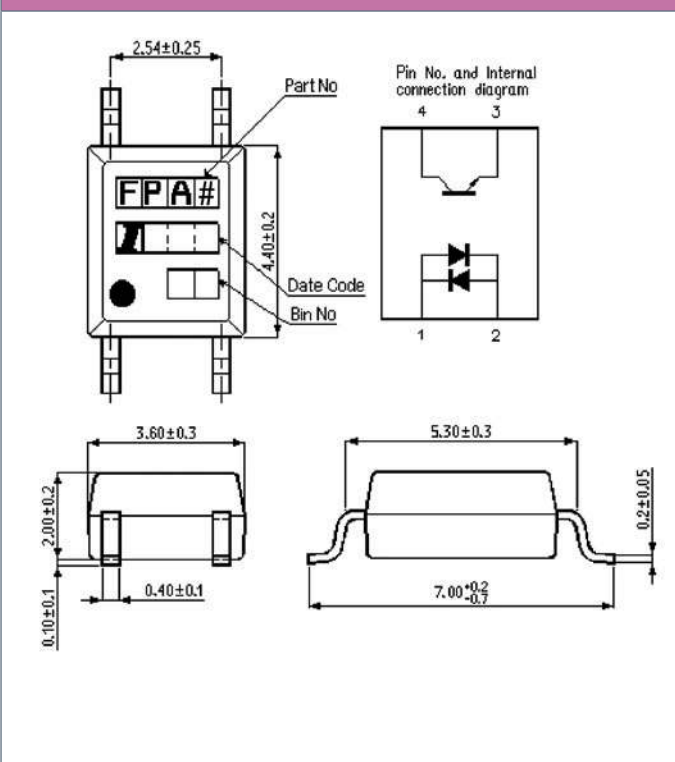
Transistor Output



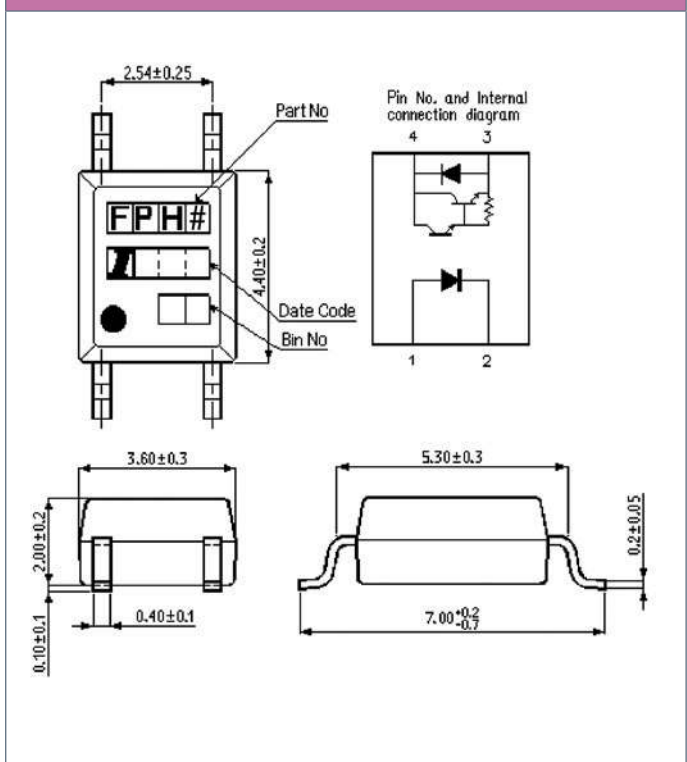
Darlington Output



AC Input



Darlington Output - High Voltage



= Internal binning