

(Photo-IC Output)

| Type Number         | Pin Configuration | Features                            | Typ. Data Rate | CTR                  | I <sub>F</sub> (IN) | BV <sub>s</sub> | Safety Standard |     |     |     |     |           |   |  |  |  |  |
|---------------------|-------------------|-------------------------------------|----------------|----------------------|---------------------|-----------------|-----------------|-----|-----|-----|-----|-----------|---|--|--|--|--|
|                     |                   |                                     |                |                      |                     |                 | UL              | TÜV | VDE | BSI | IEC |           |   |  |  |  |  |
| 6N135               |                   | High speed                          | 1 Mbit/s       | 7% Min.              | 16 mA               | 2500 Vrms       | ○               |     |     |     |     |           |   |  |  |  |  |
| 6N136               |                   |                                     |                | 19% Min.             |                     |                 |                 |     |     |     |     |           |   |  |  |  |  |
| 6N137               |                   | High speed                          | 10 Mbit/s      | 700% Typ.            | 5 mA                |                 |                 |     |     |     |     |           |   |  |  |  |  |
| 6N138               |                   | High CTR<br>High speed              | 300 kbit/s     | 300% Min.            | 1.6 mA              |                 |                 |     |     |     |     |           |   |  |  |  |  |
| 6N139               |                   |                                     |                | 400% Min.            | 0.5 mA              |                 |                 |     |     |     |     |           |   |  |  |  |  |
| TLP550              |                   | High speed<br>No base connection    | 1 Mbit/s       | 10% Min.<br>19% Min. | 16 mA               |                 |                 |     |     |     |     |           |   |  |  |  |  |
| <b>NEW</b> TLP650*  |                   | High isolation<br>High speed        | 1 Mbit/s       | 10% Min.             | 16 mA               |                 |                 |     |     |     |     | 5000 Vrms | △ |  |  |  |  |
| <b>NEW</b> TLP651*  |                   | High isolation<br>High speed        | 1 Mbit/s       |                      |                     |                 |                 |     |     |     |     |           |   |  |  |  |  |
| <b>NEW</b> TLP2200* |                   | 3 state output                      | 5 Mbit/s       |                      | 1.6 mA              |                 |                 |     |     |     |     | 2500 Vrms | △ |  |  |  |  |
| <b>NEW</b> TLP2530* |                   | Dual channel of 6N135               | 1 Mbit/s       | 7% Min.              | 16 mA               |                 |                 |     |     |     |     |           |   |  |  |  |  |
| <b>NEW</b> TLP2531* |                   | Dual channel of 6N136               |                | 19% Min.             |                     |                 |                 |     |     |     |     |           |   |  |  |  |  |
| <b>NEW</b> TLP2601* |                   | High CMR<br>High speed              | 10 Mbit/s      | 700% Typ.            | 5 mA                |                 |                 |     |     |     |     |           |   |  |  |  |  |
| <b>NEW</b> TLP2630* |                   | Dual channel of 6N137               | 10 Mbit/s      | 700% Typ.            | 5 mA                | 2500 Vrms       | △               |     |     |     |     |           |   |  |  |  |  |
| <b>NEW</b> TLP2631* |                   | High CMR<br>Dual channel of TLP2601 | 10 Mbit/s      | 700% Typ.            | 5 mA                |                 |                 |     |     |     |     |           |   |  |  |  |  |

- Note 1) In the Type Number column,  
 Symbol \* means : New products  
 Symbol \*\* means : Under development
- 2) How to handle CTR-specified-products:  
 - For ordering (example):  
 Use type number of TLP635F (GB) for GB rank of TLP635F  
 - For safety standard certificate application:  
 Use Toshiba standard type number such as TLP635F
- 3) Cleared with lead forming (LF2)
- 4) In the safety standard column,  
 Symbol ○ means : Approved  
 Symbol ⊙ means : SELV class approved  
 Symbol △ means : Safety standard design