

RATING AND CHARACTERISTIC CURVES (CPDV5-5V0U)

Fig. 1 - 8/20us Peak pulse current waveform acc. IEC 61000-4-5

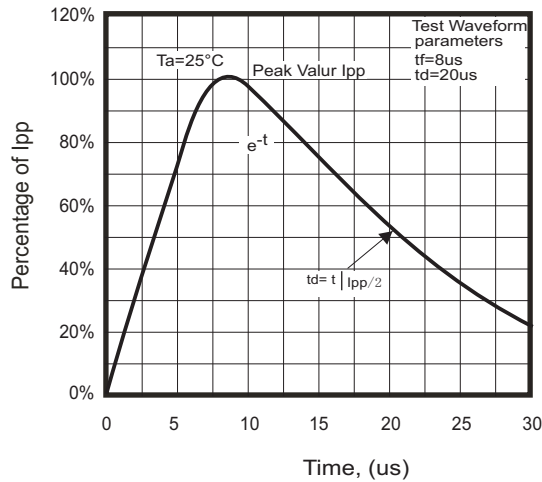


Fig.2 - Power rating derating curve

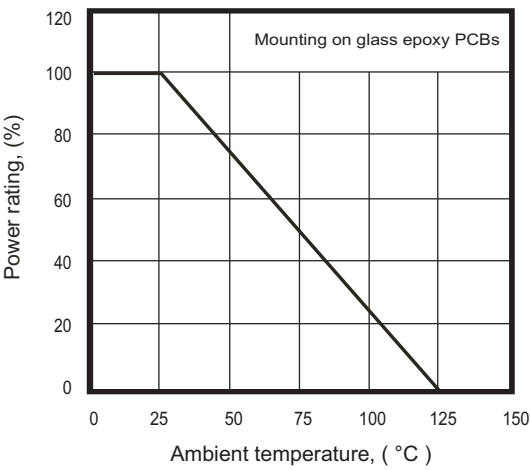


Fig.3 - Clamping voltage vs. peak pulse current

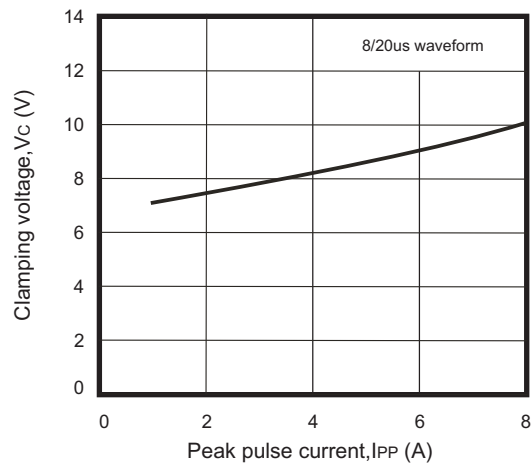
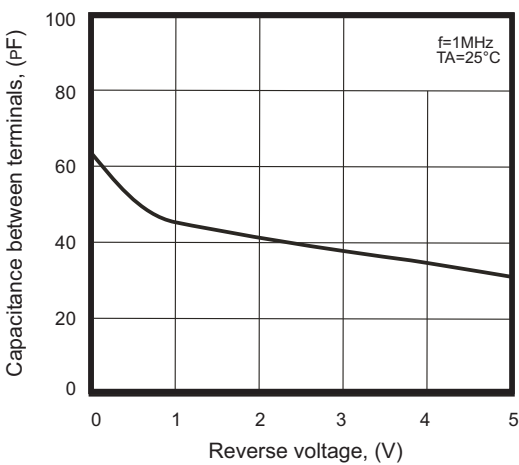
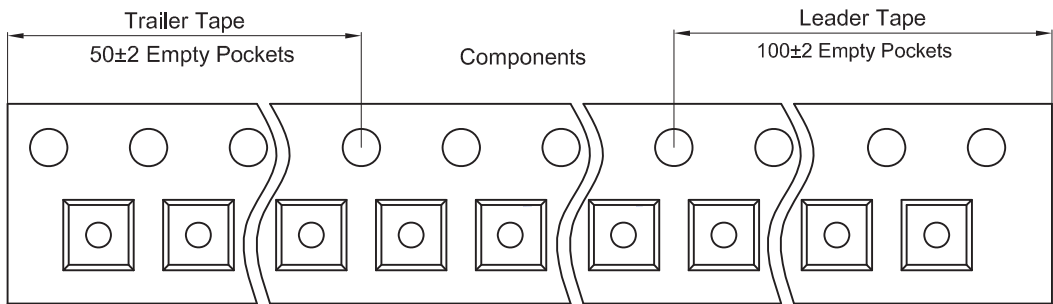
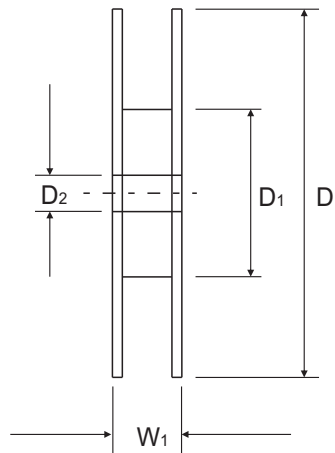
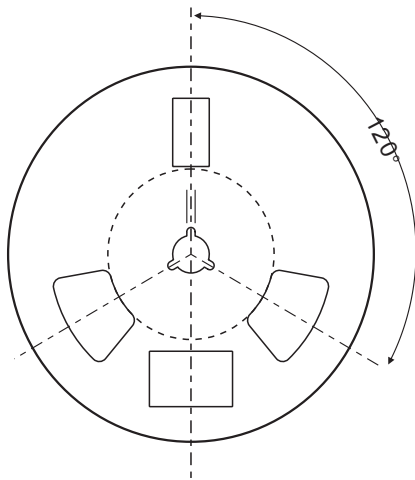
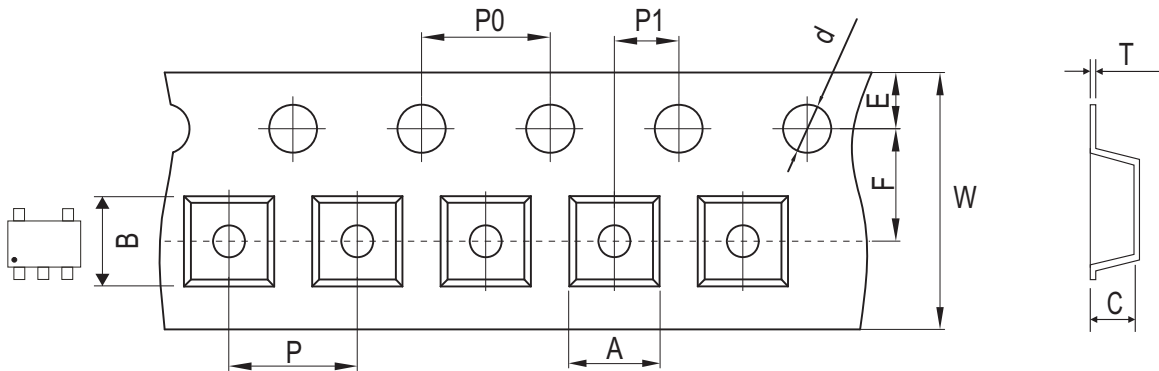


Fig.4 - Capacitance between terminals characteristics



## Reel Taping Specification

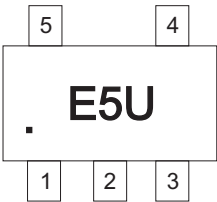


| SOT-353 | SYMBOL | A             | B             | C             | d             | D             | D1            | D2            |
|---------|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|         | (mm)   | 2.25 ± 0.05   | 2.55 ± 0.05   | 1.20 ± 0.05   | 1.50 ± 0.10   | 178 ± 2.00    | 54.40 ± 1.00  | 13.00 ± 1.00  |
|         | (inch) | 0.089 ± 0.002 | 0.100 ± 0.002 | 0.047 ± 0.002 | 0.059 ± 0.004 | 7.008 ± 0.079 | 2.142 ± 0.039 | 0.512 ± 0.039 |

| SOT-353 | SYMBOL | E             | F             | P             | P0            | P1            | W                       | W1            |
|---------|--------|---------------|---------------|---------------|---------------|---------------|-------------------------|---------------|
|         | (mm)   | 1.75 ± 0.10   | 3.50 ± 0.10   | 4.00 ± 0.10   | 4.00 ± 0.10   | 2.00 ± 0.10   | 8.00 ± 0.30 / - 0.10    | 12.30 ± 1.0   |
|         | (inch) | 0.069 ± 0.004 | 0.138 ± 0.004 | 0.157 ± 0.004 | 0.157 ± 0.004 | 0.079 ± 0.004 | 0.315 ± 0.012 / - 0.004 | 0.484 ± 0.039 |

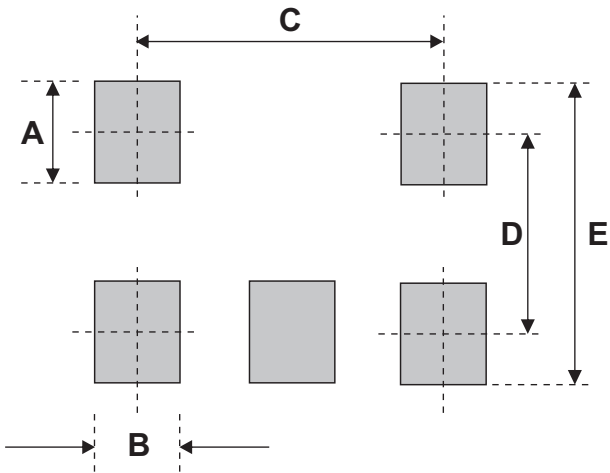
## Marking Code

| Part Number | Marking Code |
|-------------|--------------|
| CPDV5-5V0U  | E5U          |



## Suggested PAD Layout

| SIZE | SOT-353 |        |
|------|---------|--------|
|      | (mm)    | (inch) |
| A    | 0.80    | 0.031  |
| B    | 0.40    | 0.016  |
| C    | 1.30    | 0.051  |
| D    | 1.94    | 0.076  |
| E    | 2.74    | 0.108  |



## Standard Packaging

| Case Type | REEL PACK       |                     |
|-----------|-----------------|---------------------|
|           | REEL<br>( pcs ) | Reel Size<br>(inch) |
| SOT-353   | 3,000           | 7                   |