

## RATING AND CHARACTERISTIC CURVES (B05S-G thru. B10S-G)

Fig.1 - Forward Current Derating Curve

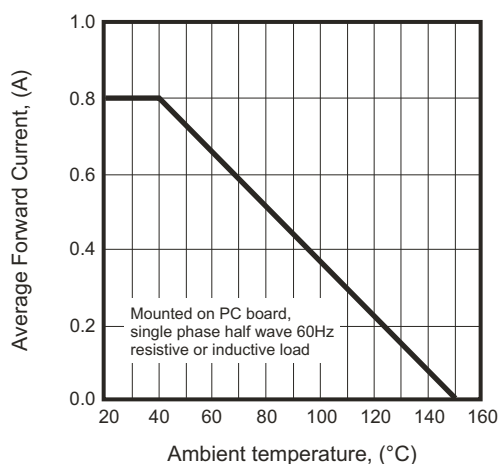


Fig.2 - Maximum Non-Repetitive Surge Current

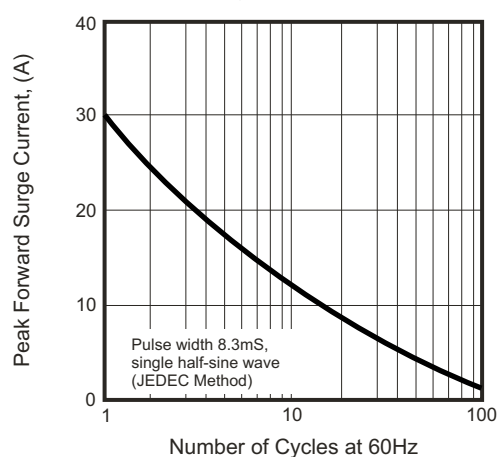


Fig.3 - Typical Reverse Characteristics

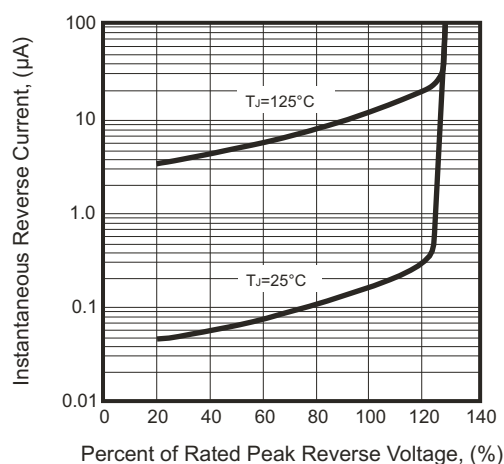


Fig.4 - Typical Forward Characteristics

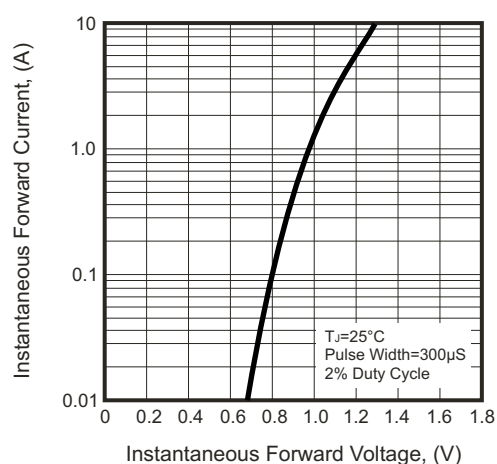
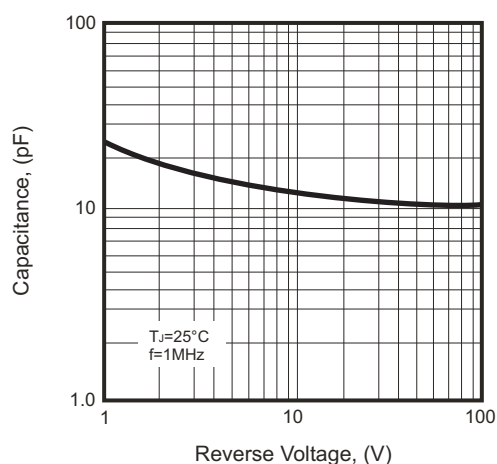


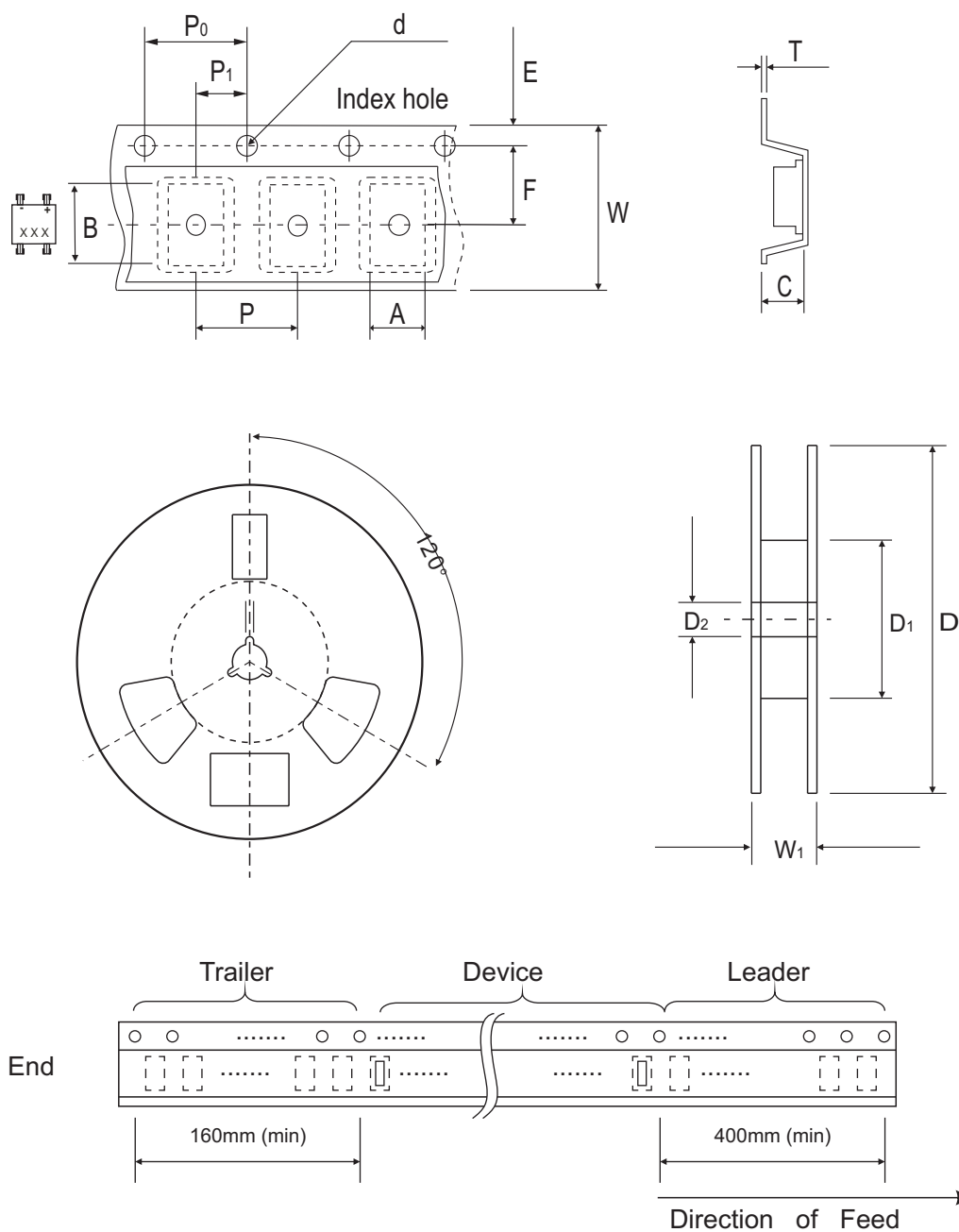
Fig.5 - Typical Junction Capacitance



Company reserves the right to improve product design , functions and reliability without notice.

REV:E

Reel Taping Specification



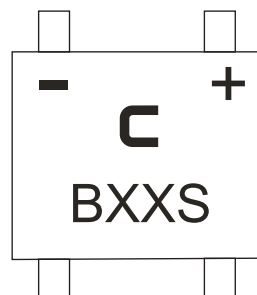
| MBS | SYMBOL | A             | B             | C             | d             | D   | D1         | D2            |
|-----|--------|---------------|---------------|---------------|---------------|-----|------------|---------------|
|     | (mm)   | 4.90 ± 0.10   | 7.24 ± 0.10   | 3.33 ± 0.10   | 1.55 ± 0.05   | 330 | 50.0 MIN.  | 13.00 ± 0.20  |
|     | (inch) | 0.193 ± 0.004 | 0.285 ± 0.004 | 0.131 ± 0.004 | 0.061 ± 0.002 | 13  | 1.969 MIN. | 0.512 ± 0.008 |

| MBS | SYMBOL | E             | F             | P             | P0            | P1            | T     | W             | W1          |
|-----|--------|---------------|---------------|---------------|---------------|---------------|-------|---------------|-------------|
|     | (mm)   | 1.75 ± 0.10   | 5.50 ± 0.05   | 8.00 ± 0.10   | 4.00 ± 0.10   | 2.00 ± 0.05   | 0.30  | 12.00 ± 0.30  | 12.00~14.40 |
|     | (inch) | 0.069 ± 0.004 | 0.217 ± 0.002 | 0.315 ± 0.004 | 0.157 ± 0.004 | 0.079 ± 0.002 | 0.012 | 0.472 ± 0.012 | 0.472~0.657 |

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## Marking Code

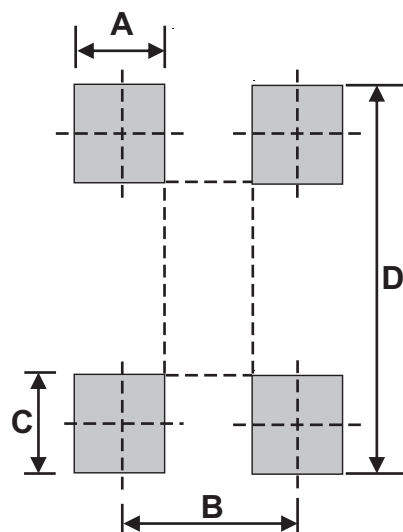
| Part Number | Marking code |
|-------------|--------------|
| B05S-G      | B05S         |
| B1S-G       | B1S          |
| B2S-G       | B2S          |
| B4S-G       | B4S          |
| B6S-G       | B6S          |
| B8S-G       | B8S          |
| B10S-G      | B10S         |



X/XX = Product type marking code

## Suggested PAD Layout

| SIZE | MBS     |          |
|------|---------|----------|
|      | (mm)    | (inch)   |
| A    | 0.82MIN | 0.032MIN |
| B    | 2.55REF | 0.100REF |
| C    | 0.92MIN | 0.036MIN |
| D    | 7.00MAX | 0.276MAX |



## Standard Packaging

| Case Type | REEL PACK       |                     |
|-----------|-----------------|---------------------|
|           | REEL<br>( pcs ) | Reel Size<br>(inch) |
| MBS       | 3,000           | 13                  |