

## RATING AND CHARACTERISTIC CURVES (CDBHD240-G Thru. CDBHD2100-G)

Fig. 1 - Forward Current Derating Curve

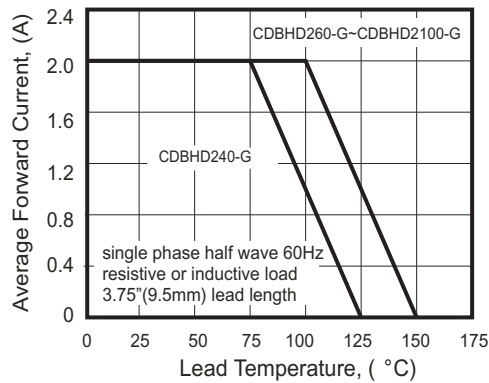


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

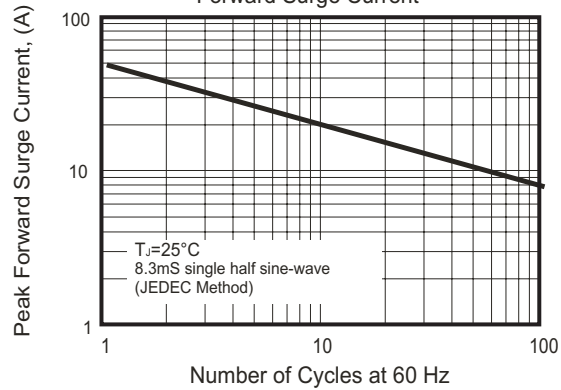


Fig. 3 - Typical Instantaneous Forward Characteristics

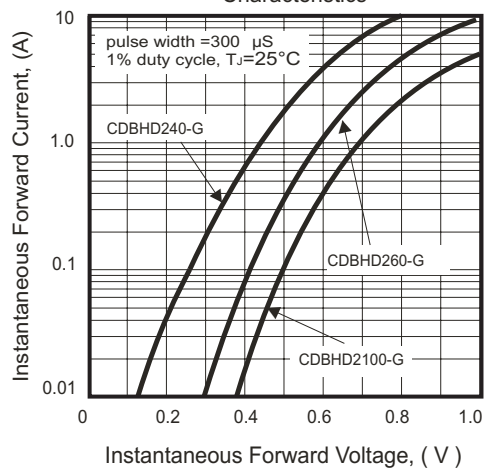


Fig. 4A - Typical Reverse Characteristics

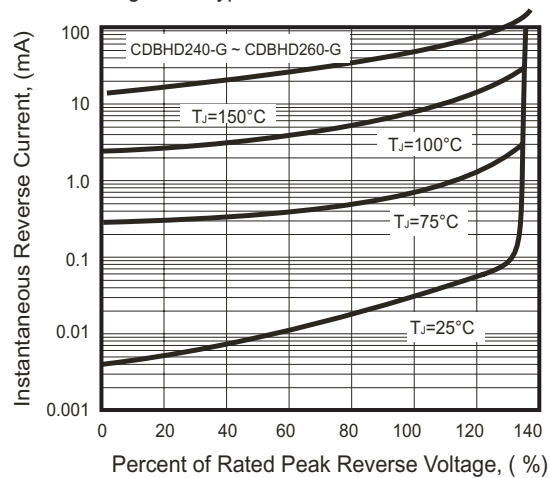


Fig. 5 - Typical Junction Capacitance

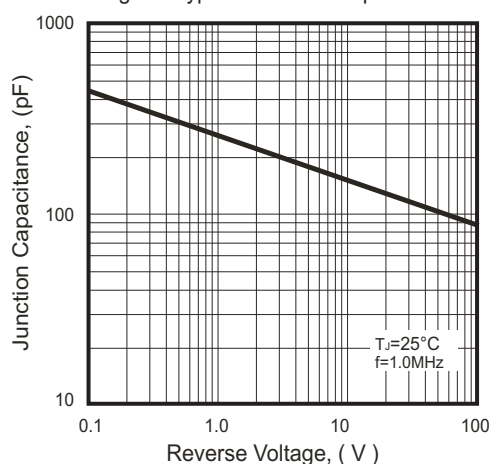
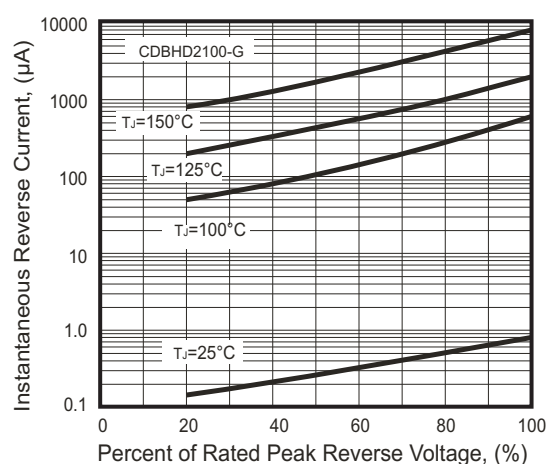
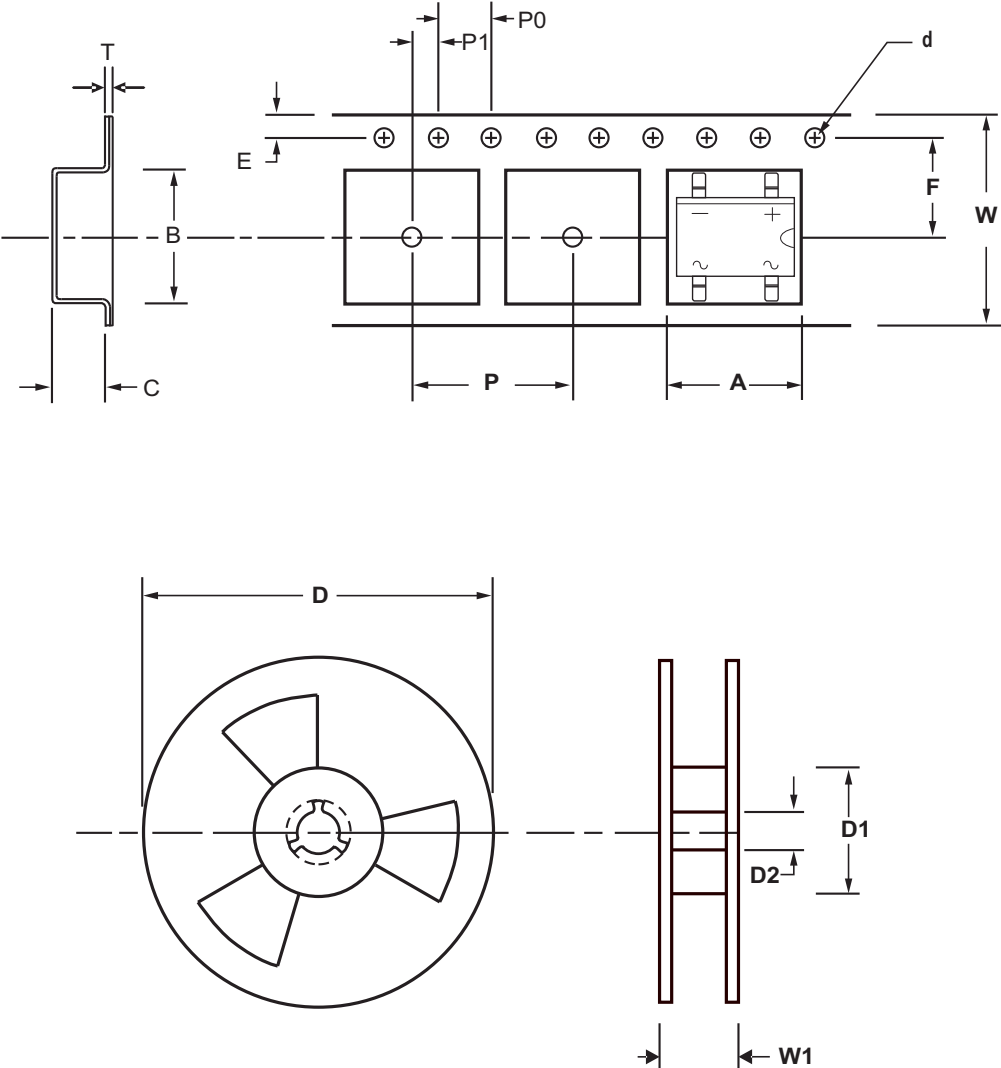


Fig. 4B - Typical Reverse Characteristics



Reel Taping Specification

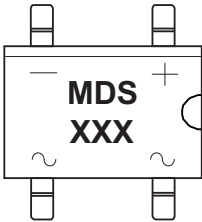


| TO-269AA(MDS) | SYMBOL | A                 | B                 | C                 | d                 | D                  | D1         | D2                |
|---------------|--------|-------------------|-------------------|-------------------|-------------------|--------------------|------------|-------------------|
|               | (mm)   | $5.00 \pm 0.10$   | $7.24 \pm 0.10$   | $3.33 \pm 0.10$   | $1.50 \pm 0.10$   | $330 \pm 2.00$     | 50 MIN.    | $13.00 \pm 0.50$  |
|               | (inch) | $0.197 \pm 0.004$ | $0.285 \pm 0.004$ | $0.131 \pm 0.004$ | $0.059 \pm 0.004$ | $12.992 \pm 0.079$ | 1.969 MIN. | $0.512 \pm 0.020$ |

| TO-269AA(MDS) | SYMBOL | E                 | F                 | P                 | P0                | P1                | W                 | W1                |
|---------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|               | (mm)   | $1.75 \pm 0.10$   | $5.50 \pm 0.10$   | $8.00 \pm 0.10$   | $4.00 \pm 0.10$   | $2.00 \pm 0.10$   | $12.00 \pm 0.30$  | $18.00 \pm 1.00$  |
|               | (inch) | $0.069 \pm 0.004$ | $0.138 \pm 0.004$ | $0.315 \pm 0.004$ | $0.157 \pm 0.004$ | $0.079 \pm 0.004$ | $0.472 \pm 0.012$ | $0.709 \pm 0.039$ |

Marking Code

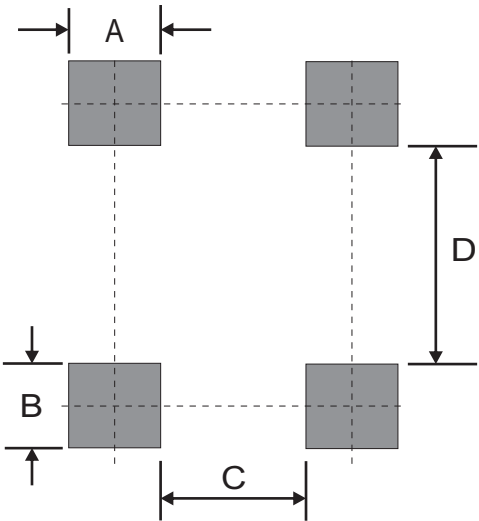
| Part Number | Marking Code |
|-------------|--------------|
| CDBHD240-G  | MDS24        |
| CDBHD260-G  | MDS26        |
| CDBHD2100-G | MDS210       |



XX / XXX = Product type marking code

Suggested PAD Layout

| SIZE | TO-269AA(MDS) |        |
|------|---------------|--------|
|      | (mm)          | (inch) |
| A    | 0.58          | 0.023  |
| B    | 0.76          | 0.030  |
| C    | 1.78          | 0.070  |
| D    | 5.75          | 0.226  |



Standard Packaging

| Case Type     | REEL PACK       |                     |
|---------------|-----------------|---------------------|
|               | REEL<br>( pcs ) | Reel Size<br>(inch) |
| TO-269AA(MDS) | 2,500           | 13                  |