

## Rating and Characteristic Curves (CDBMHT120-HF Thru. CDBMHT1150-HF)

Fig.1- Typical Forward Current Derating Curve

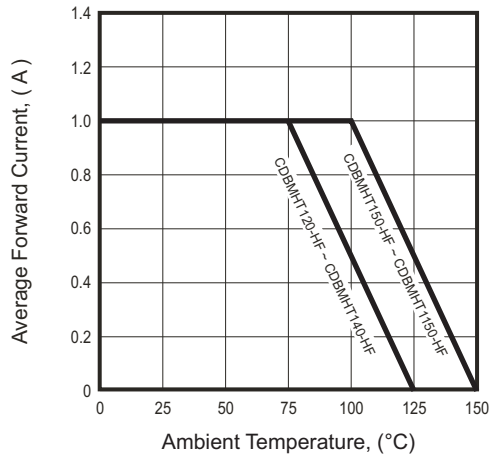


Fig.2- Typical Forward Characteristics

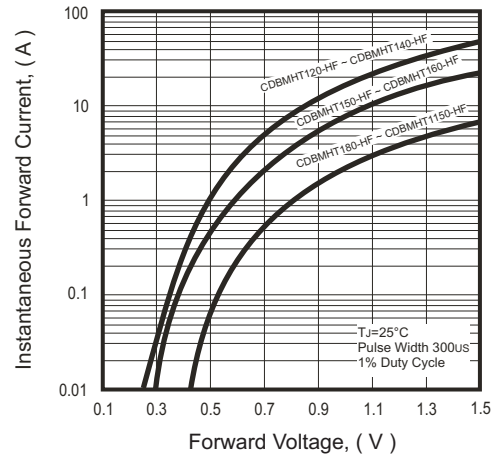


Fig.3- Maximum Non-repetitive Forward Surge Current

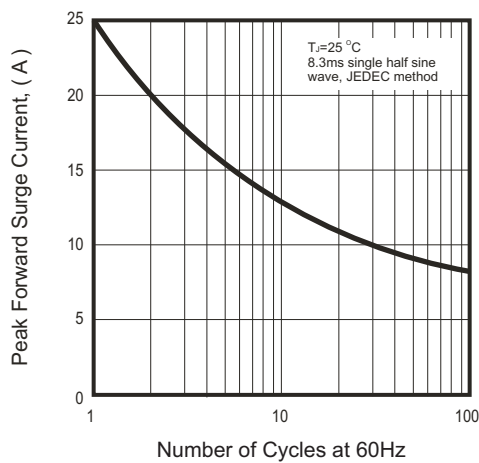


Fig.4- Typical Junction Capacitance

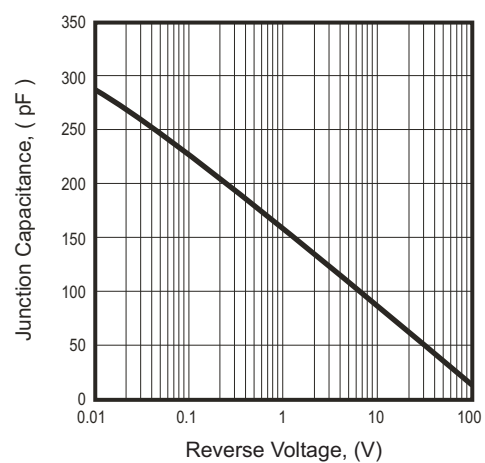
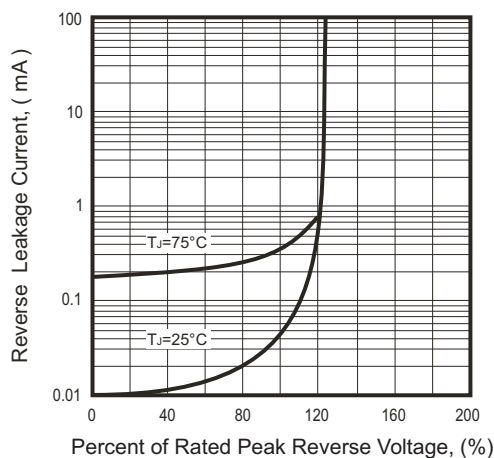
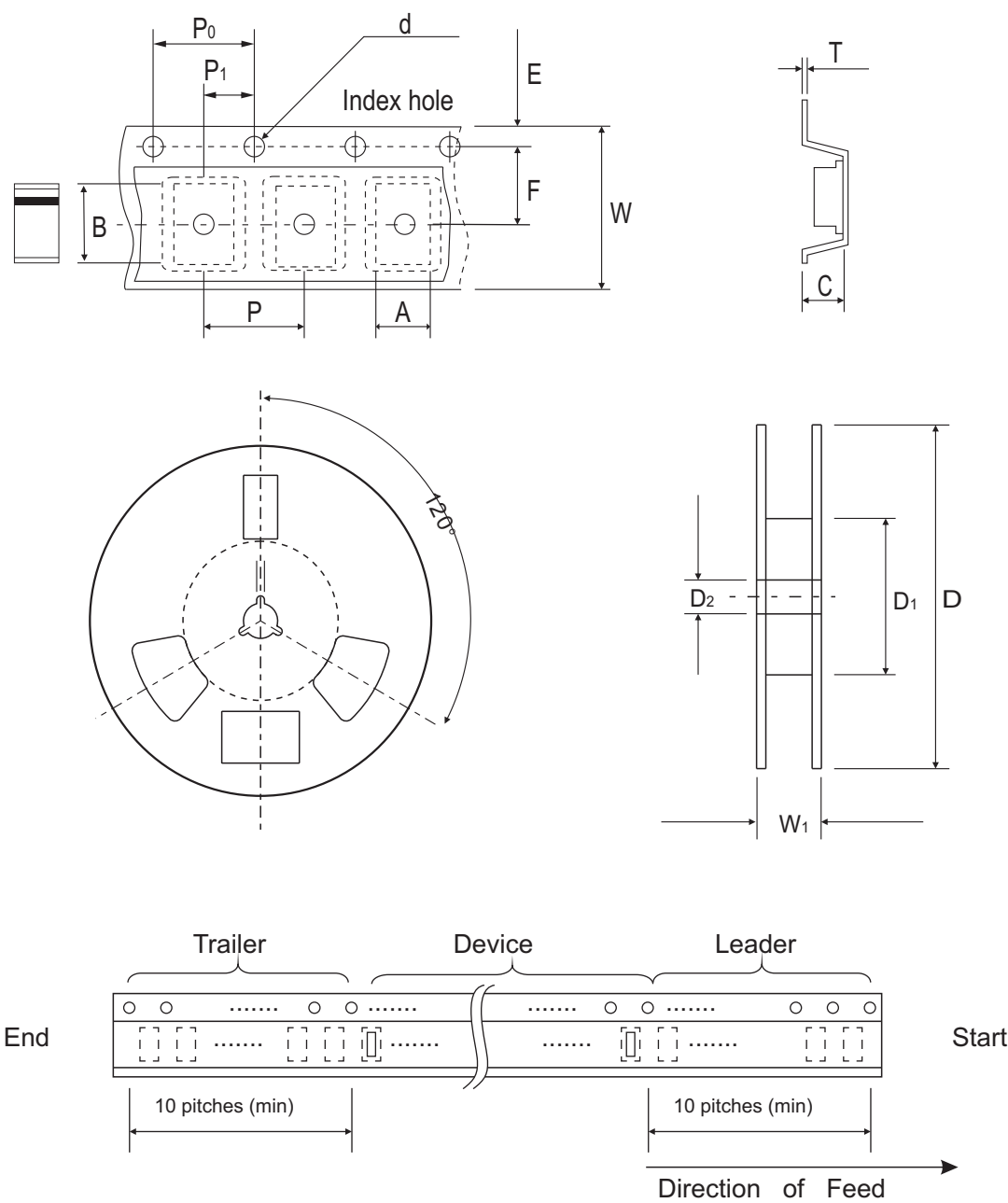


Fig.5- Reverse Characteristics



Reel Taping Specification



| Mini-SMA<br>(SOD-123HT) | SYMBOL | A                 | B                 | C                 | d                 | D                 | D1          | D2                |
|-------------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|-------------------|
|                         | (mm)   | $2.00 \pm 0.10$   | $3.85 \pm 0.10$   | $1.10 \pm 0.10$   | $1.50 \pm 0.10$   | $178.00 \pm 2.00$ | 62.00 (min) | $13.00 \pm 0.50$  |
|                         | (inch) | $0.079 \pm 0.004$ | $0.152 \pm 0.004$ | $0.043 \pm 0.004$ | $0.059 \pm 0.004$ | $7.007 \pm 0.079$ | 2.441 (min) | $0.512 \pm 0.020$ |

| Mini-SMA<br>(SOD-123HT) | SYMBOL | E                 | F                 | P                 | P0                | P1                | T                | W                 | W1                |
|-------------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|
|                         | (mm)   | $1.75 \pm 0.10$   | $3.50 \pm 0.10$   | $4.00 \pm 0.10$   | $4.00 \pm 0.10$   | $2.00 \pm 0.10$   | $0.23 \pm 0.10$  | $8.00 \pm 0.30$   | $11.40 \pm 1.00$  |
|                         | (inch) | $0.069 \pm 0.004$ | $0.138 \pm 0.004$ | $0.157 \pm 0.004$ | $0.157 \pm 0.004$ | $0.079 \pm 0.004$ | $0.009 \pm 0.04$ | $0.315 \pm 0.012$ | $0.449 \pm 0.039$ |

## Pinning information

| Pin                          | Simplified outline                                                                | Symbol                                                                             |
|------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| PIN 1 Cathode<br>PIN 2 Anode |  |  |

## Marking Code

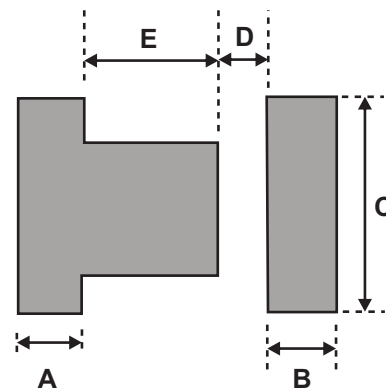
| Part Number   | Marking Code |
|---------------|--------------|
| CDBMHT120-HF  | 12           |
| CDBMHT130-HF  | 13           |
| CDBMHT140-HF  | 14           |
| CDBMHT150-HF  | 15           |
| CDBMHT160-HF  | 16           |
| CDBMHT180-HF  | 18           |
| CDBMHT1100-HF | 10           |
| CDBMHT1150-HF | 115          |



xx / xxx = Product type marking code

## Suggested PAD Layout

| SIZE | Mini-SMA/SOD-123HT |        |
|------|--------------------|--------|
|      | (mm)               | (inch) |
| A    | 0.80               | 0.031  |
| B    | 0.80               | 0.031  |
| C    | 1.90               | 0.075  |
| D    | 0.90               | 0.035  |
| E    | 1.20               | 0.047  |



## Standard Packaging

| Case Type | REEL PACK       |                     |
|-----------|-----------------|---------------------|
|           | REEL<br>( pcs ) | Reel Size<br>(inch) |
| SOD-123HT | 3,000           | 7                   |