

## Rating and Characteristic Curves (CGRM4001-G Thru. CGRM4007-G)

Fig.1 Reverse Characteristics

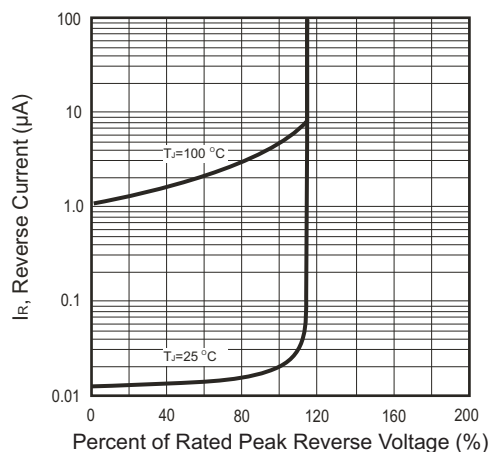


Fig.2 Forward Characteristics

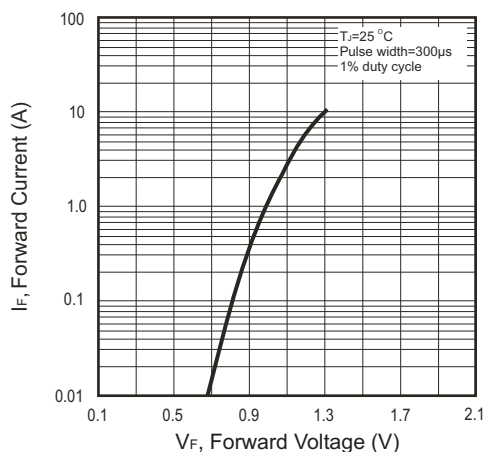


Fig.3 Junction Capacitance

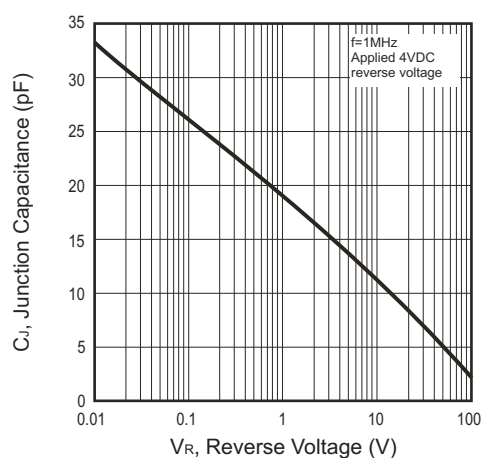


Fig.4 Current Derating Curve

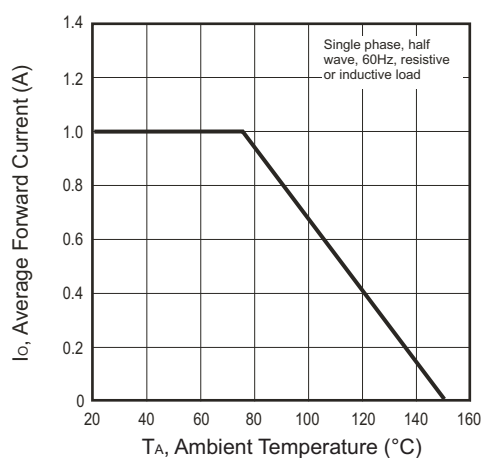
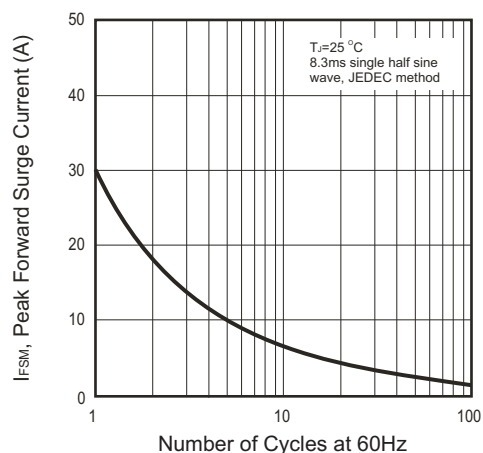
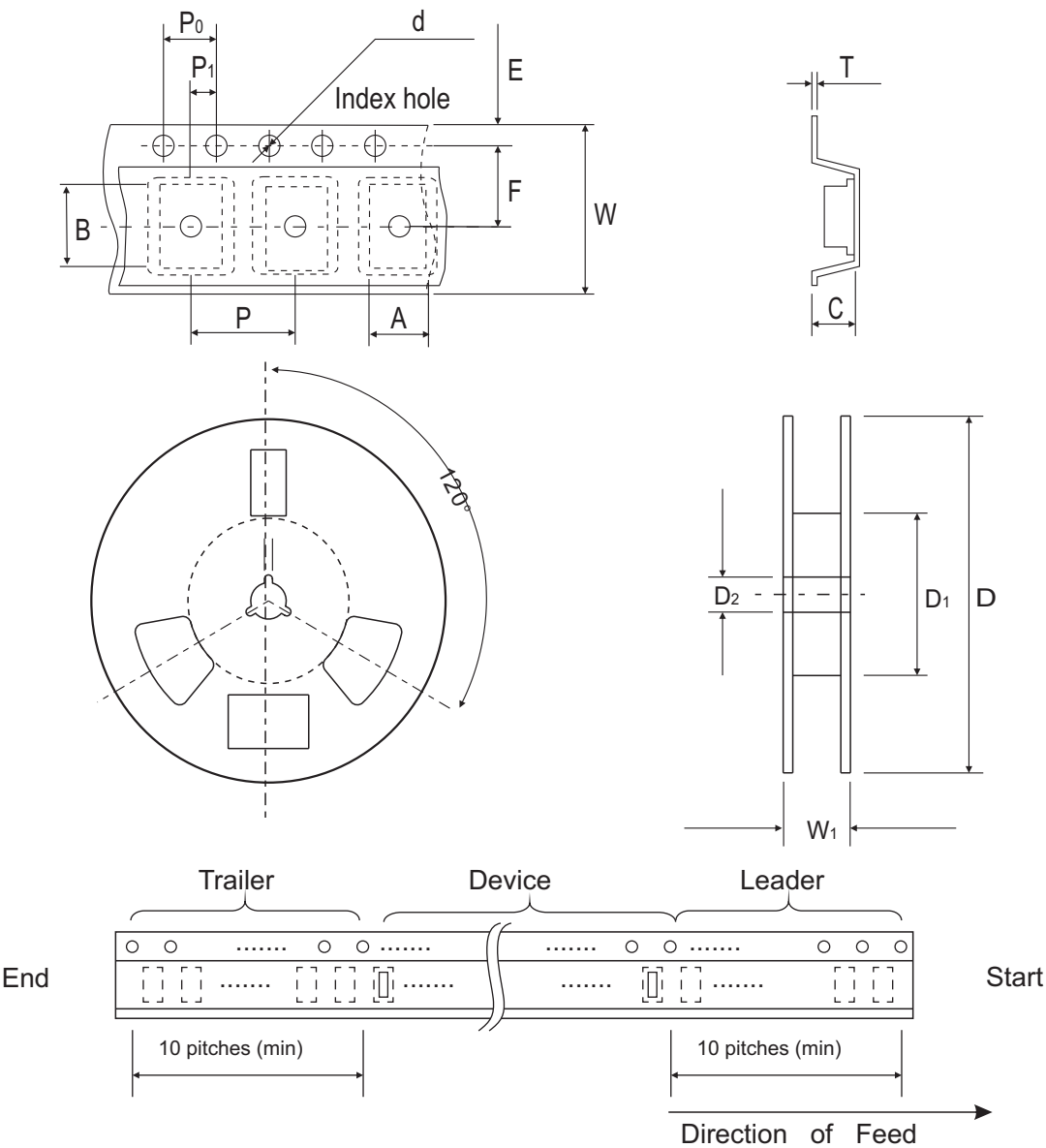


Fig.5 Non-repetitive Forward Surge Current



Reel Taping Specification



| SOD-123 | SYMBOL | A            | B            | C            | d             | D             | D1         | D2            |
|---------|--------|--------------|--------------|--------------|---------------|---------------|------------|---------------|
|         | (mm)   | 1.90 ± 0.10  | 3.90 ± 0.10  | 1.68 ± 0.10  | 1.50 ± 0.05   | 178 ± 1.00    | 62.0 MIN.  | 13.0 ± 0.50   |
|         | (inch) | 0.075 ± 0.04 | 0.154 ± 0.04 | 0.066 ± 0.04 | 0.059 ± 0.002 | 7.008 ± 0.039 | 2.441 MIN. | 0.512 ± 0.020 |

| SOD-123 | SYMBOL | E             | F             | P             | P0            | P1            | W             | W1            |
|---------|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|         | (mm)   | 1.75 ± 0.10   | 3.50 ± 0.05   | 4.00 ± 0.10   | 4.00 ± 0.10   | 2.00 ± 0.10   | 8.00 ± 0.30   | 11.4 ± 1.00   |
|         | (inch) | 0.069 ± 0.004 | 0.138 ± 0.002 | 0.157 ± 0.004 | 0.157 ± 0.004 | 0.079 ± 0.004 | 0.315 ± 0.012 | 0.449 ± 0.039 |

## Marking Code

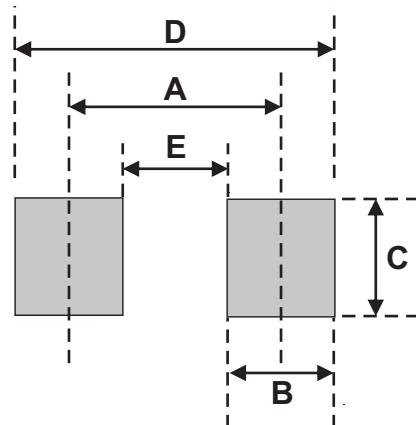
| Part Number | Marking Code |
|-------------|--------------|
| CGRM4001-G  | A1           |
| CGRM4002-G  | A2           |
| CGRM4003-G  | A3           |
| CGRM4004-G  | A4           |
| CGRM4005-G  | A5           |
| CGRM4006-G  | A6           |
| CGRM4007-G  | A7           |



xx = Product type marking code

## Suggested PAD Layout

| SIZE | SOD-123 |        |
|------|---------|--------|
|      | (mm)    | (inch) |
| A    | 3.80    | 0.150  |
| B    | 1.40    | 0.055  |
| C    | 1.90    | 0.075  |
| D    | 5.70    | 0.225  |
| E    | 1.90    | 0.075  |



## Standard Package

| Case Type | Qty per Reel | Reel Size |
|-----------|--------------|-----------|
|           | (Pcs)        | (inch)    |
| SOD-123   | 2500         | 7         |