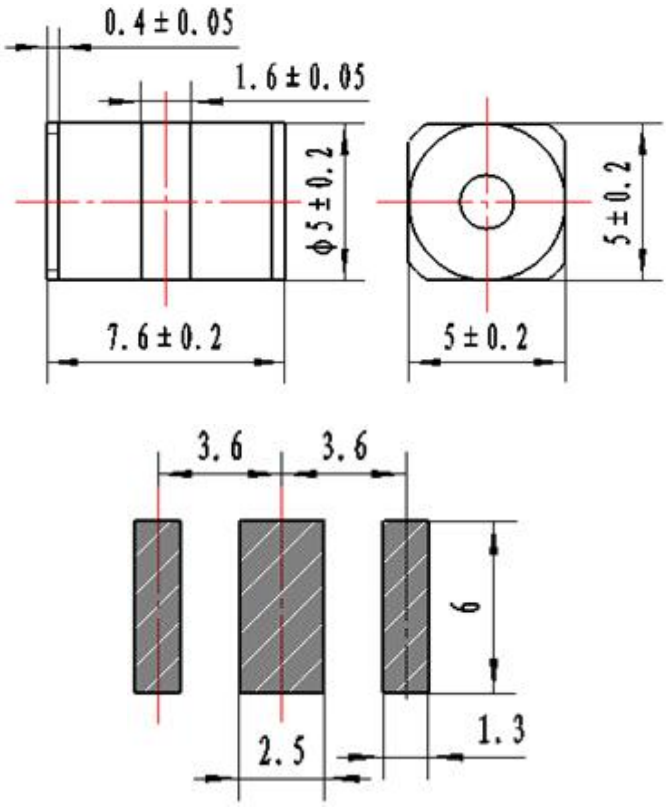
# 3RXXXS-5×7.6 Series

## Features

- Size:5mm*7.6mm
- Stable breakdown voltage.
- High insulation resistance.
- Low capacitance (≤1pF)
- High holdover voltage
- Storage and operational temperature: -40℃ ~ +90℃

## Specification Status:Draft （mm）




## Applications

- Transient Voltage Surge Suppression(TVSS)
- Cable Telephone Product
- Modems/Cable Modems
- Broadband/CATV/Coaxial Protectors
- Communication Lines
- Power Supplies

## Electrical Characteristics (TA = 25 °C unless otherwise noted)

| Part Number | DC Breakdown Voltage | Tolerance | Impulse Spark-over Voltage | Impulse Discharge Current 10hits(5hits each polarity) | AC Discharge Current 5 hits | Insulation Resistance* | Capacitance |
|---|---|---|---|---|---|---|---|
| | 100V/s | of Vs | 1kv/μs | 8/20μs | 50Hz | GΩ | 1MHz |
| 3R075S-5×7.6 | 75V | ±20% | ≤600V | 5KA | 5A | ≥10 | ≤1pF |
| 3R090S-5×7.6 | 90V | ±20% | ≤600V | 5KA | 5A | ≥10 | ≤1pF |
| 3R150S-5×7.6 | 150V | ±20% | ≤600V | 5KA | 5A | ≥10 | ≤1pF |
| 3R200S-5×7.6 | 200V | ±20% | ≤700V | 5KA | 5A | ≥10 | ≤1pF |
| 3R230S-5×7.6 | 230V | ±20% | ≤700V | 5KA | 5A | ≥10 | ≤1pF |
| 3R300S-5×7.6 | 300V | ±20% | ≤900V | 5KA | 5A | ≥10 | ≤1pF |
| 3R350S-5×7.6 | 350V | ±20% | ≤1000V | 5KA | 5A | ≥10 | ≤1pF |
| 3R400S-5×7.6 | 400V | ±20% | ≤1000V | 5KA | 5A | ≥10 | ≤1pF |
| 3R470S-5×7.6 | 470V | ±20% | ≤1200V | 5KA | 5A | ≥10 | ≤1pF |
| 3R600S-5×7.6 | 600V | ±20% | ≤1400V | 5KA | 5A | ≥10 | ≤1pF |

1)At delivery AQL 0.65 leave Ⅱ Military Standard 105 E.

2)In ionized mode

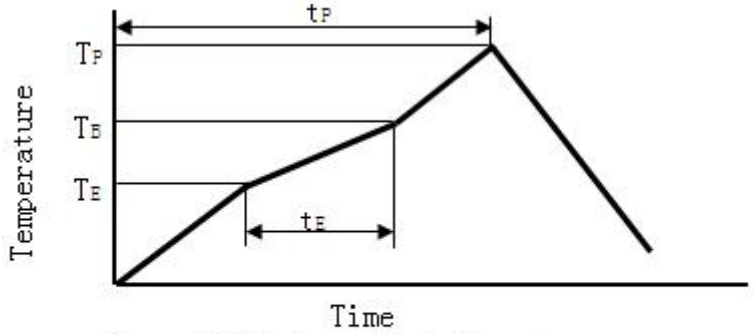
3)Test according to ITU-T Rec.k.12

## Marking

Y 3R 090 S

- S → SMD
- 090 → Nominal DC spark-over voltage
- 3R → 3 eledtrodes
- Y → YINT

## Reflow soldering curve

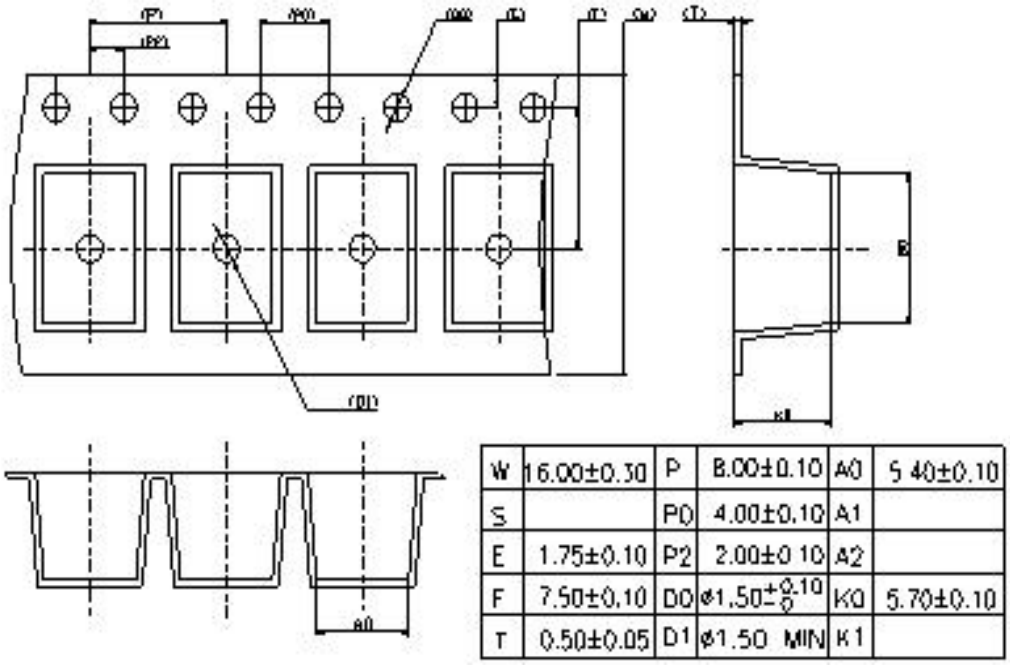



$T_{E\ max}$=180℃ $t_{E\ max}$=60s (at $T_{E\ max}$)

$T_{B\ max}$=220℃

$T_{P\ max}$=250℃ $t_{P\ max}$=300s $t_{p\ max}$=220s (typical)

## Package



| | | | | | |
|---|---|---|---|---|---|
| W | 16.00±0.30 | P | 8.00±0.10 | A0 | 5.40±0.10 |
| S | | P0 | 4.00±0.10 | A1 | |
| E | 1.75±0.10 | P2 | 2.00±0.10 | A2 | |
| F | 7.50±0.10 | D0 | ø1.50$^{+0.10}_{0}$ | K0 | 5.70±0.10 |
| T | 0.50±0.05 | D1 | ø1.50 MIN | K1 | |