

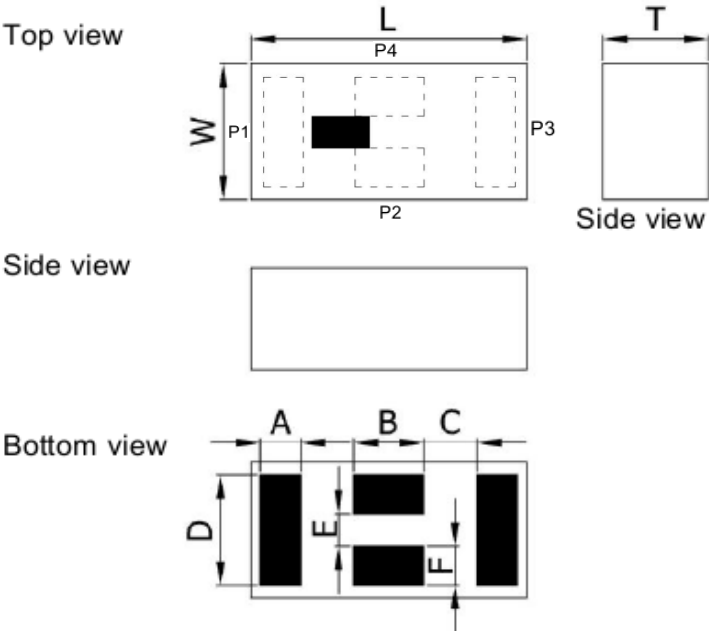
Product Information

Control No. : ASP-900440-A 1  
Issued on April 1, 2024

1. Type No.  
PMDR90044A0

RoHS Compliant Part

2. Dimension (Unit : mm)



| Terminal |             |
|----------|-------------|
| P1       | Input port  |
| P2       | GND         |
| P3       | Output port |
| P4       | GND         |

| Terminal Dimensions |             |
|---------------------|-------------|
| L                   | 1.60±0.10   |
| W                   | 0.80±0.10   |
| T                   | 0.65max.    |
| A                   | 0.225±0.050 |
| B                   | 0.40±0.05   |
| C                   | 0.30±0.05   |
| D                   | 0.65±0.05   |
| E                   | 0.21±0.05   |
| F                   | 0.22±0.05   |

3. Electrical characteristics

| Parameter         |                 | Specification | Typical | Unit | Remark |
|-------------------|-----------------|---------------|---------|------|--------|
| Frequency range   |                 | 3300 -4200    | -       | MHz  |        |
| Nominal impedance |                 | 50            | -       | ohm  |        |
| Insertion Loss    | at +25℃         | 0.85 Max.     | 0.75    | dB   |        |
|                   | at -40 ~ +85℃   | 1.20 Max.     | -       |      |        |
| Return Loss       |                 | 10 Min.       | -       | dB   |        |
| Attenuation       | 1710 - 2690 MHz | 12 Min.       | 15.9    | dB   |        |
|                   | 5150 - 5850 MHz | 10 Min.       | 15.8    |      |        |
| Power capacity    |                 | 3 Max.        | -       | W    |        |

4. Note

- 4.1 Operating Temperature Range
- 4.2 Storage Temperature Range before soldering in taping package
- 4.3 Standard Reel Quantity
- 4.4 MSL
- 4.5 This components are produced by OEM in PSA group.(Made in Taiwan)
- 40 to +85 ℃
- +5 to +40 ℃
- 4,000 pcs per reel
- 1

|  |             |              |           |
|--|-------------|--------------|-----------|
|  | Approved by | Confirmed by | Raised by |
|  | Y.Imai      | S.Suzuki     | K.Adachi  |

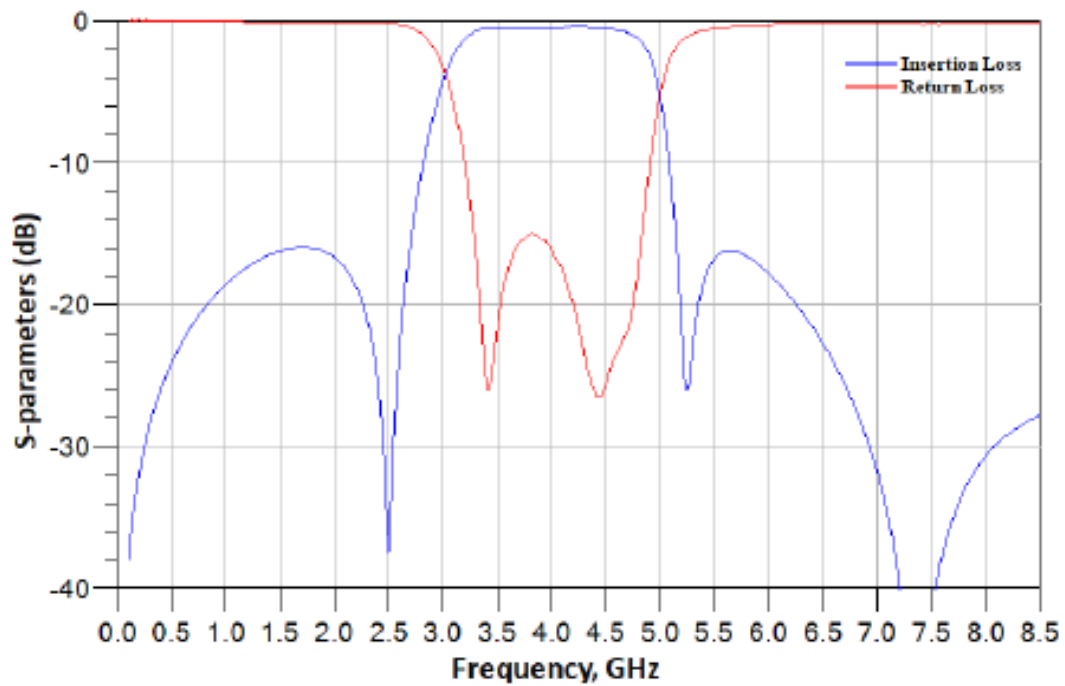
SOSHIN ELECTRIC CO., LTD

## Product Information

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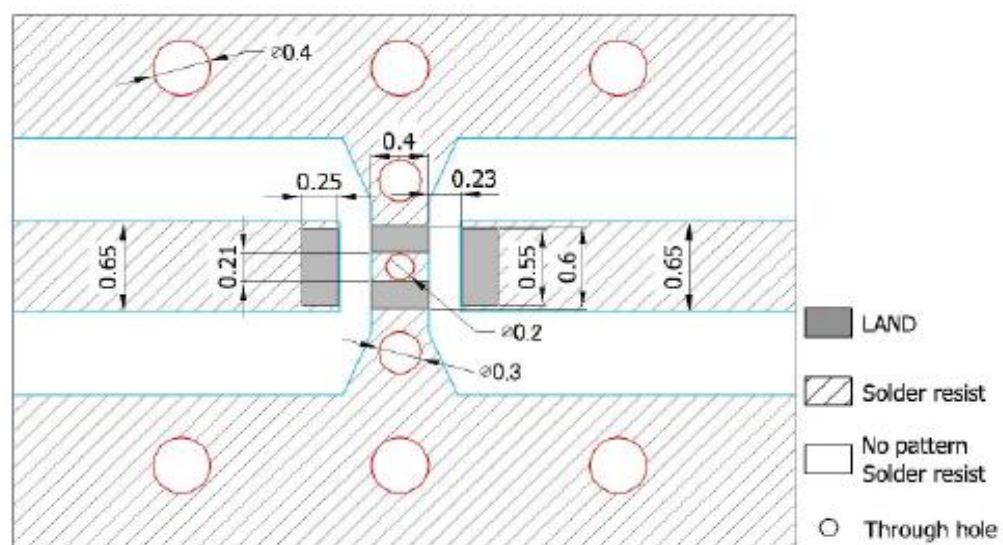
## 5. Representative characteristics



## 6.Recommendation Land Pattern

## Land Pattern

Figure



Unit : mm

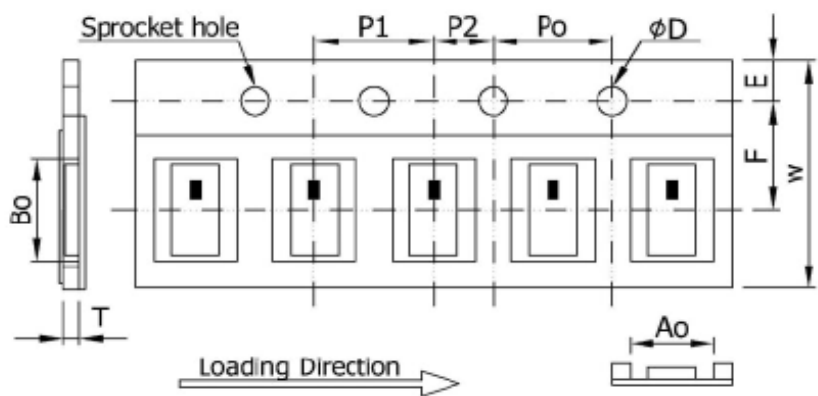
Line width to be designed to match  $50\ \Omega$  characteristic impedance, depending on PCB material and thickness.

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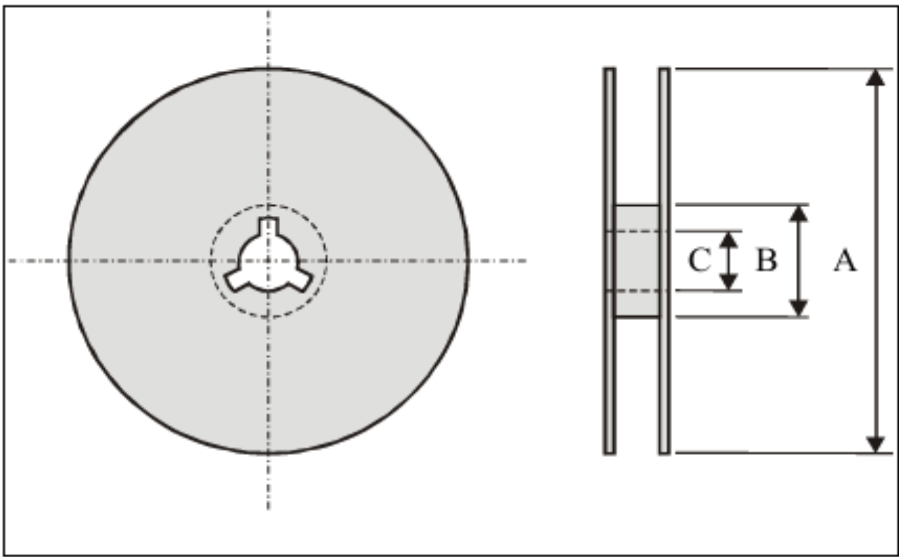
## 7.1 Dimensions of the carrier tape



Paper Tape specifications (unit :mm)

| Index          | $A_0$            | $B_0$           | $\phi D$        | $T$             | $W$             |
|----------------|------------------|-----------------|-----------------|-----------------|-----------------|
| Dimension (mm) | $0.975 \pm 0.10$ | $1.76 \pm 0.10$ | $1.55 \pm 0.05$ | $0.75 \pm 0.10$ | $8.00 \pm 0.10$ |
| Index          | $E$              | $F$             | $P_0$           | $P_1$           | $P_2$           |
| Dimension (mm) | $1.75 \pm 0.10$  | $3.50 \pm 0.05$ | $4.00 \pm 0.10$ | $4.00 \pm 0.10$ | $2.00 \pm 0.05$ |

## 7.2 Carrier tape reel dimensions



| Index          | A            | B           | C           |
|----------------|--------------|-------------|-------------|
| Dimension (mm) | $\Phi 178.0$ | $\Phi 60.0$ | $\Phi 13.0$ |