

Product Information

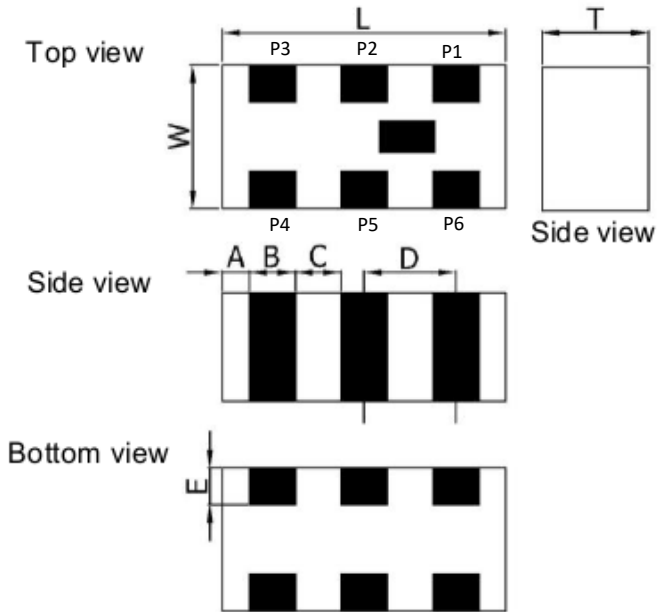
Control No. : ASP-900590-A 1

Issued on January 20, 2025

1. Type No.

PMDR90059I0

2. Dimension (Unit : mm)



RoHS Compliant Part

If P1 is input port, the pin is defined as the table.

PIN	Connection	PIN	Connection
P1	Input	P4	Termination
P2	GND	P5	GND
P3	Output	P6	Coupling

If P3 is input port, the pin is defined as the table.

PIN	Connection	PIN	Connection
P1	Output	P4	Coupling
P2	GND	P5	GND
P3	Input	P6	Termination

Terminal Dimensions

L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.70max
A	0.175 ± 0.150
B	0.25 ± 0.15
C	0.25 ± 0.15
D	0.50 ± 0.15
E	0.20 ± 0.15

3. Electrical characteristics

Parameter	Specification	Typical	Unit	Remark
Frequency range	902 ~ 928	-	MHz	
Insertion Loss(at +25°C)	0.20 Max.	0.10	dB	
Insertion Loss(at -40 ~ +85°C)	0.30 Max.	-	dB	
Coupling in BW	22 ~ 26	24.2 ~ 24.4	dB	
Isolation	35 Min.	49.9	dB	
VSWR	1.45 Max.	-	-	
Impedance	50	-	Ω	
Power capacity	4 Max.	-	W	

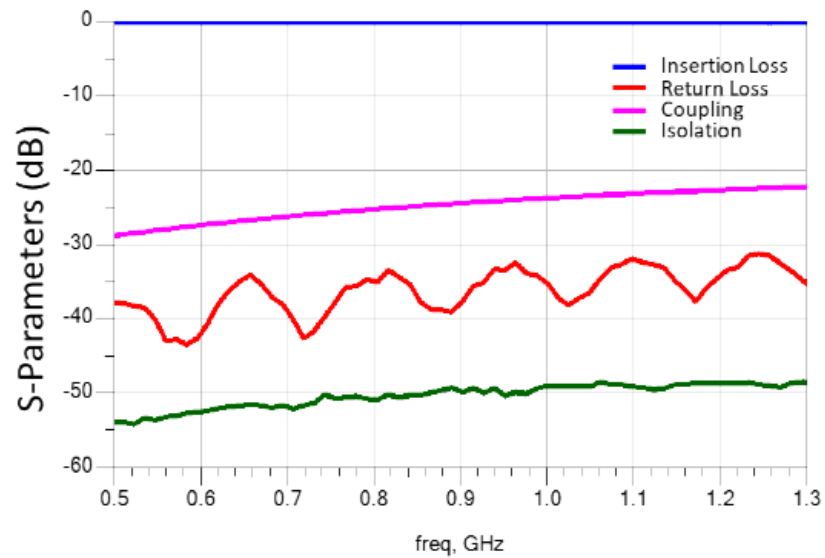
4. Note

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

	Approved by	Confirmed by	Raised by
	Y.Imai	S.Suzuki	K.Sakamoto

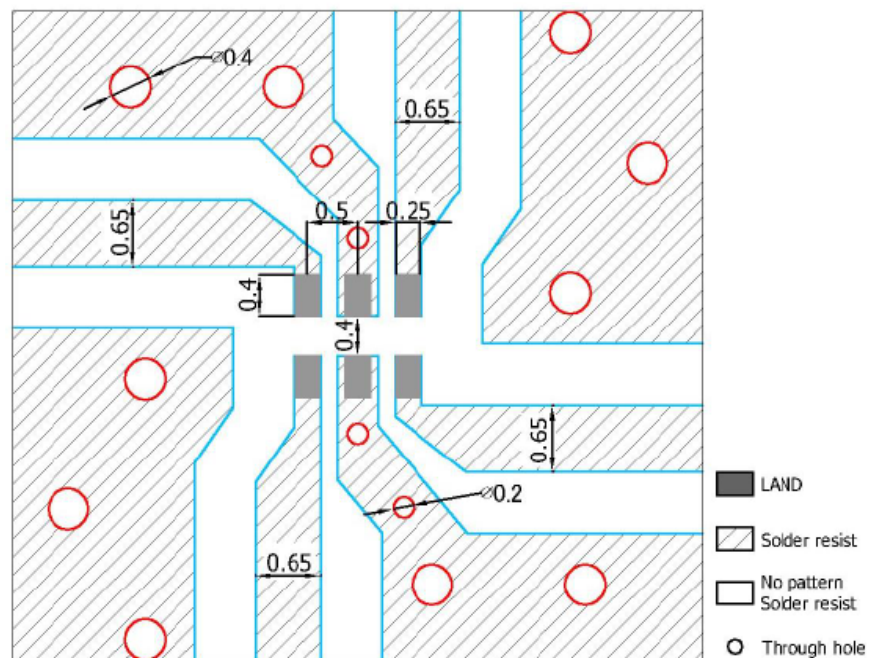
SOSHIN ELECTRIC CO., LTD

5.Representative characteristics



6.Recommendation Land Pattern

Land Pattern



Unit : mm

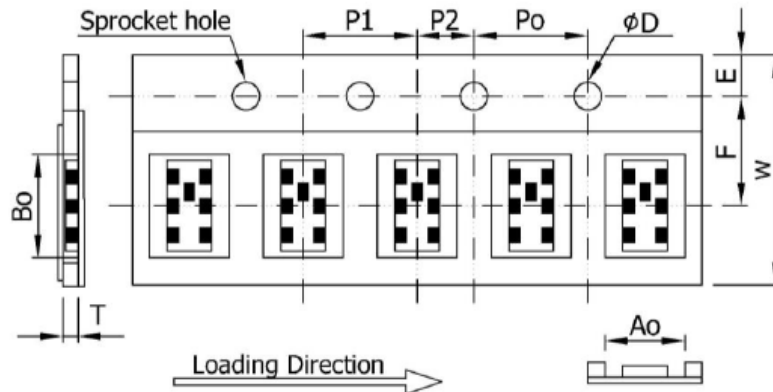
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

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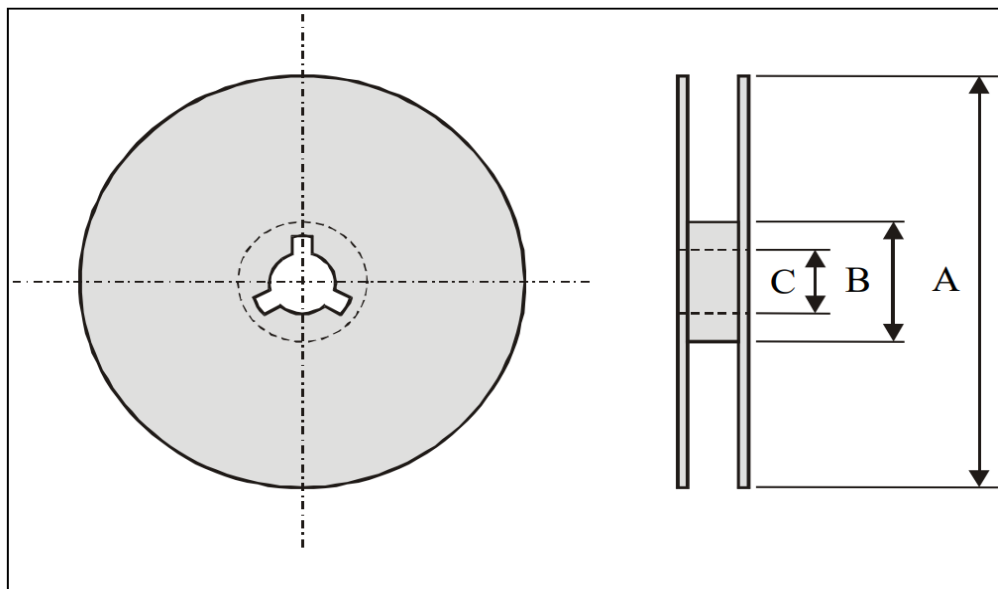
7.1 Dimensions of the carrier tape



Paper Tape specifications (unit : mm)

Index	A_0	B_0	ϕD	T	W
Dimension (mm)	0.975 ± 0.10	1.76 ± 0.10	1.55 ± 0.05	0.75 ± 0.10	8.00 ± 0.10
Index	E	F	P_0	P_1	P_2
Dimension (mm)	1.75 ± 0.10	3.50 ± 0.05	4.00 ± 0.10	4.00 ± 0.10	2.00 ± 0.05

7.2 Carrier tape reel dimensions



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