

Product Information

Control No. : ASP-800410-A 1

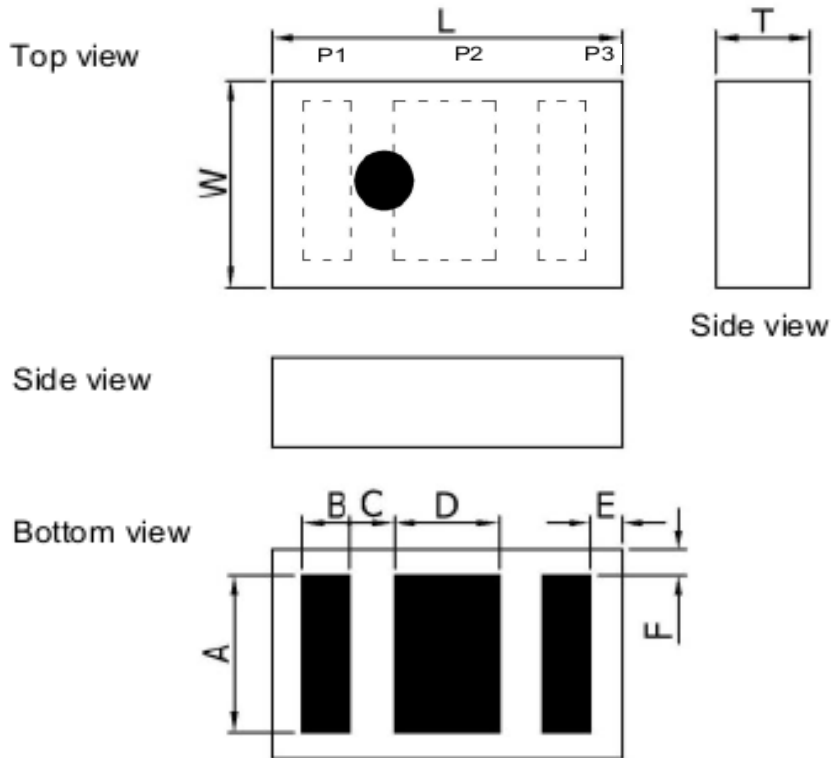
Issued on October 31 , 2024

1. Type No.

PMDR80041A0

2. Dimension (Unit : mm)

RoHS Compliant Part



Terminal	
P1	Input
P2	GND
P3	Output
Terminal Dimensions	
L	2.00±0.15
W	1.25±0.10
T	0.70max.
A	0.95±0.10
B	0.275±0.100
C	0.25±0.05
D	0.60±0.10
E	0.175±0.100
F	0.15±0.10

3. Electrical characteristics

Parameter		Specification	Typical	Unit	Remark
Frequency range		3300 - 4200	-	MHz	
Nominal impedance		50	-	ohm	
Insertion Loss (at +25°C)	3300 - 4200 MHz	2.0 Max.	1.15	dB	
	3300 - 3800 MHz	2.0 Max.	1.11	dB	
	3400 - 3800 MHz	1.5 Max.	0.92	dB	
Insertion Loss (at -40 ~ +85°C)	3300 - 3500 MHz	2.25 Max.		dB	
	3500 - 4200 MHz	2.25 Max.		dB	
	3300 - 3800 MHz	2.25 Max.		dB	
	3400 - 3800 MHz	2.25 Max.		dB	
VSWR		2.1 Min.		-	
Attenuation	450 - 2200 MHz	36 Min.	41.61	dB	
	2300 - 2483 MHz	38 Min.	51.36	dB	
	2496 - 2690 MHz	33 Min.	54.14	dB	
	5150 - 5850 MHz	25 Min.	37.2	dB	
	6600 - 8400 MHz	25 Min.	41.79	dB	
	9900 - 12600 MHz	15 Min.	31.73	dB	
	13200 - 16800 MHz	15 Min.	27.39	dB	
Power capacity		3 Max.	-	W	

4. Note

- | | |
|--|-----------------------|
| 4.1 Operating Temperature Range | : -40 to +85 °C |
| 4.2 Storage Temperature Range before soldering in taping package | : +5°C to +40 °C |
| 4.3 Standard Reel Quantity | : 2 ,000 pcs per reel |
| 4.4 MSL | : 1 |

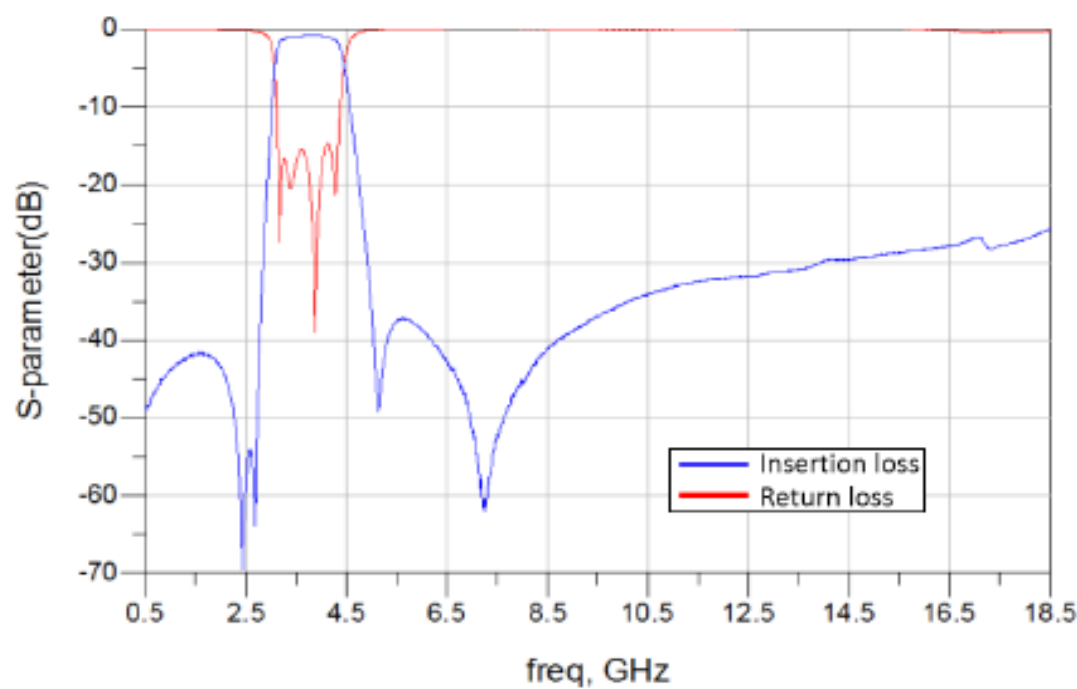
	Approved by	Confirmed by	Raised by
	Y.Imai	S.Suzuki	R.Fujimoto

SOSHIN ELECTRIC CO., LTD

Product Information

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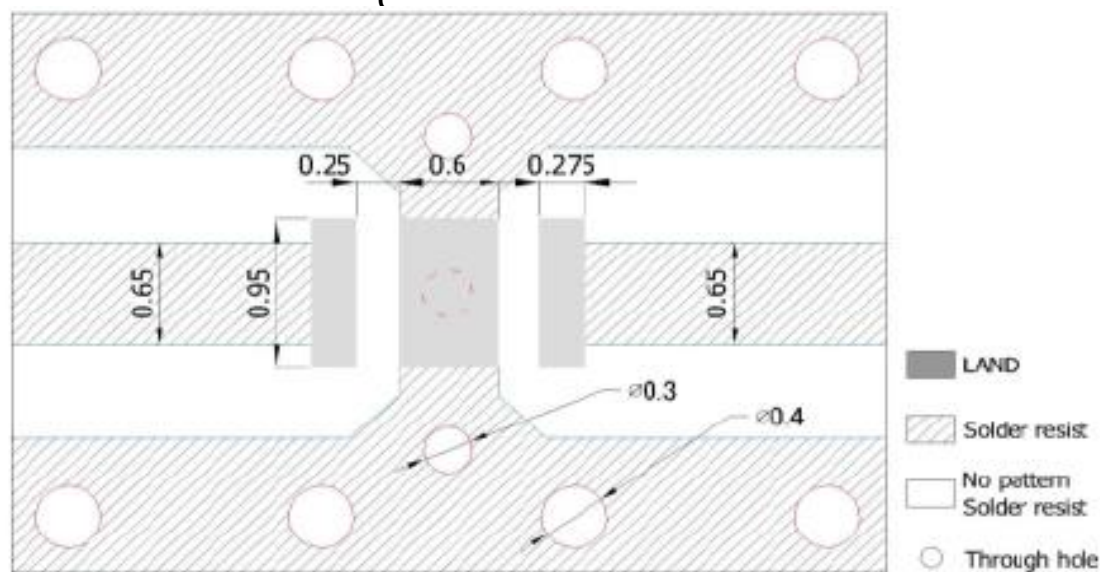
5.Representative characteristics



6.Recommendation Land Pattern (Unit:mm)

Land Pattern

Figure



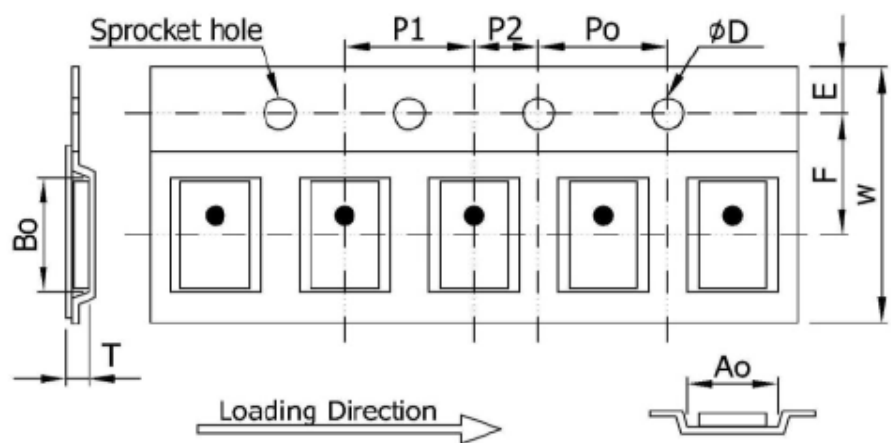
Unit: mm
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

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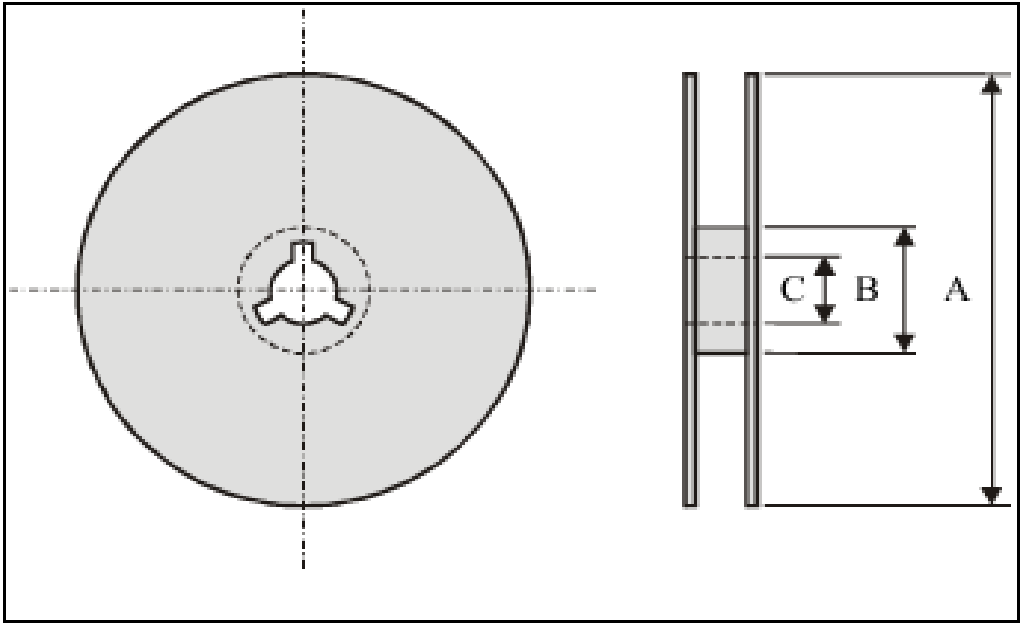
7.1 Dimensions of the carrier tape



Black conductive Tape specifications (unit :mm)

Index	Ao	Bo	Φ D	T	W
Dimension (mm)	1.40 ± 0.10	2.25 ± 0.10	1.55 ± 0.05	0.75 ± 0.10	8.00 ± 0.10
Index	E	F	Po	P1	P2
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)	Φ 178.0	Φ 60.0	Φ 13.0