PASSIVE SYSTEM ALLIANCE Prosperity Dielectrics Co., Ltd.

## **Prosperity Dielectrics Co., Ltd**

## 2025 Investor Conference (Stock code: 6173)

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Investor Relations Contact Person : Summer Lou Email : IR@pdc.com.tw Tel : 03-4753355

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## **Company Profile**

#### **Prosperity Dielectrics Corp :**

<ul> <li>Established</li> </ul>	June, 1990					
•Capital	NTD 1.72 Billion					
•Employee	748					
•Brand	PDC					
•Revenue	Y2024 NTD 3.72 Billion					
	Y2025 Q1 NTD 0.94 Billion					





#### **Branch Office/ Plant :**

•Taiwan Taoyuan / Yangmei Plant •China Wujiang Plant /Dongguan Office

#### **Production experience** :

•MLCC/CR	Since 1990	(35 years)
•Powder	Since 1995	(30 years)
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## **Income statement**

In Million NTD Except NTD for Earnings Per Share

	2025 Q1	2024 Q4	QoQ	change(%)	2024 Q1	YoY	change(%)
Net Sales	944	905	39	4%	873	72	<mark>8</mark> %
Gross Profit	211	185	26	14%	194	17	9%
Gross Profit(%)	22.3%	20.5%	1.9%		22.2%	0.1%	
N.O.P	140	107	33	31%	124	16	13%
N.O.P(%)	14.8%	11.8%	3.0%		14.2%	0.6%	
Income Before Tax	153	132	21	16%	185	(32)	-17%
Net Income	120	105	16	15%	146	(25)	-17%
Net Income(%)	12.8%	11.6%	1.2%		16.7%	-4.0%	
EPS(NTD)	0.7	0.62	0.08		0.85	(0.15)	

## **Revenue & Margin rate Trend**



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## 2025 Q1 PDC Sales Breakdown



- Safety/high power/high reliability/customized/low loss passive components and Powder are our main products.
- Terminal applications are mainly in industry: AI Server/Data center/ fast charging/Robot, the market is expected to grow.
- The consumer application market is not the focus, and its proportion continues to decrease.
- Special products such as medical/aviation... also achieved breakthroughs.

• The automotive market remains flat, pending subsequent approval of the project.

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## **Core Competencies**



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#### **Material technology**

PDC is the only company in Taiwan that can manufacture its own dielectric ceramic powders, including raw materials for high-end products such as disc capacitors, MLCC, microwave ceramic powders and LTCC.

#### **Design capabilities**

With the ability to design automated equipment and quickly propose product designs that meet customer requirements.

#### **Vertical Integration**

In response to the rapidly changing market demands, we can quickly vertically integrate raw materials/processes/equipment technologies to provide products with stable quality and cost advantages.

#### **Diversified Products**

Provide a complete range of high-power, high-reliability capacitors, resistors, inductors and all passive components to meet your one-stop shopping needs.

## **Product planning and market application**

- 4G Base Station
- Server
- Modem/Router/ STB
- Power Supply
- Consumer

#### 2014

Revenue :NT 2.51B Gross margin%:18.2% EPS: 0.75

Main Products -Component(MLCC,CHIP-R, Inductor) : High power for industrial, networking and consumer application



-Material: Disc. MLCC dielectric powder





EPS:0.7

Main Products

EPS:2.91

-Component(MLCC,CHIP-R,Inductor): High power and high reliability for industrial, networking, automotive, medical and aerospace application



#### -Material: Disc, MLCC, LTCC, Microwave Powder



400nm





250nm

200nm

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## **Market Trends**

SiC and GaN are more suitable for high voltage



Sources: Infineon Technologies

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- With the popularization of third-generation semiconductors (GaN, SiC), the business opportunities of large-size passive components are expanding.
- Although the quantity demand of MLCC of size >= 3216 only accounts for 3.5%~4%, the total demand amount accounts for about 30%~35%.
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## **Application Products**



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## **Market Focus & Main Products**



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## PDC MLCC Ceramic powder product planning



## Opportunity

- With the US trade war and geopolitical changes, PDC's main product production and marketing/Sales sites are located in Taiwan, which has increased the chances of receiving orders.
- With the popularization of GaN and SiC semiconductors, the power demand of terminal products has increased, which has led to a significant increase in the demand for SMD high-power and high-reliability passive components.
- Looking ahead to 2025, AI Server, Data Center, Industrial Robot, New Energy Vehicle, PD3.1 Fast Charge, Smart Grid, Medical, Aerospace, etc. are the main market areas with higher estimated growth, and the application opportunities of PDC large size and high power MLCC/Chip-R will increase.
- High reliability NPO MLCC replaced Film Cap and X7R, X7T MLCC replaced Film Cap and aluminum and tantalum electrolytic capacitors, resulting in a significant increase in applications.
- The number of RF components related to 5G applications has increased significantly, which in turn has led to an increase in demand for LTCC and high-frequency lowdielectric filter application ceramic powders.
- As the EV market share gradually increases and the demand for vehicles and charging piles increases, the ceramic powder used in vehicles and charging equipment will increase accordingly.

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## **Business focus**

#### MLCC ` Chip-R –

- Targeting high-growth application market areas, we continue to develop higher power and high capacitance MLCCs and high power Chip-R.
- With independent material development and process technology capabilities, it can effectively cooperate with medium, high-voltage and large-sized special MLCCs to introduce high value-added markets, and reduce costs to enhance competitiveness.

#### Dielectric Powder-

- Continue to develop high-end, high-temperature, high-voltage, highcapacity, and special-application MLCC dielectric ceramic powders.
- In response to the growing needs of the 5G and AI application markets, we continue to develop high-end and special application microwave powders.
- Continue to develop LTCC materials and Cu electrode process MLCC dielectric ceramic powder for various series of RF/high frequency components.

# Thank you!

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