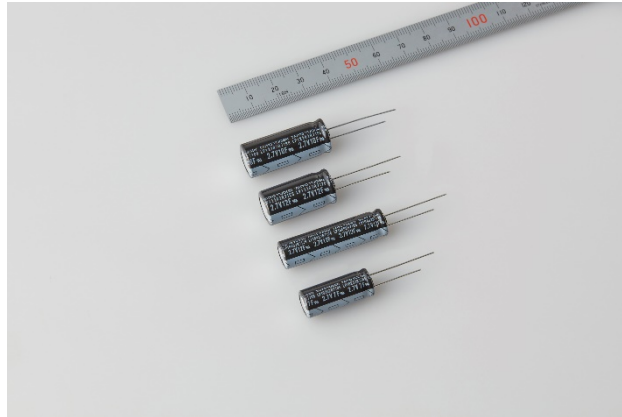


For immediate release

Four New Products in the TAIYO YUDEN Electric Double-Layer Capacitor LP Series

Expanding variation in capacity and size, contributing to optimized product design



TOKYO, January 28, 2021 — TAIYO YUDEN CO., LTD., announced today the addition of four products including LP10252R7705U ($\phi 10.0 \times 25$ mm, nominal capacitance 7 F) to its cylinder-type electric double-layer capacitor LP series.

Example applications for these new capacitors include peak assistance and backup power supply in servers, drive recorders, and smart meters. The new additions extend the product lineup in shape and capacitance while maintaining high output and reliability, which are key advantages of the electric double-layer capacitor LP series.

Production of the capacitors will commence at TAIYO YUDEN's overseas subsidiary company, TANIN ELNA CO., LTD. (Chiang Mai, Thailand), in January 2021. The sample price for LP10252R7705U is 160 yen per unit.*1

Technology Background

Servers and drive recorders require an emergency backup power supply to protect data in the event of an emergency such as a power failure or accident. On the other hand, smart meters, which require a large amount of energy within a short period of time for wireless data transmission, are equipped with a power storage device to supplement their power supply for peak assistance. There is a great need for long-life power storage devices with superior charge and discharge characteristics that can be used for such power supplies.

In response to this market demand, TAIYO YUDEN added four new products, including the LP10252R7705U, to its electric double-layer capacitor LP series. The products maintain the high output and reliability of the LP series, contributing to optimized product design through the multiple lineups of products with expanded variations in capacity and size. We will continue to develop our power storage device products in response to market demand.

*1 Note: The sample price mentioned in this release is the direct sales price of TAIYO YUDEN CO., LTD. When considering purchasing via a sales agency, please contact the agency for the sample price.

■Application

Peak assistance and backup power supplies in servers, drive recorders, and smart meters.

■Product Lineup

Part Number	Nominal Capacitance [F]	Size (mm)	Max. Usable Voltage [V]	Initial AC Internal Resistance (mΩ)	Operating Temperature Range [°C]	New Product	Sample Price*1
LP08152R7245U	2.4	φ8.0×15	2.7 (2.3*2)	120	-40~+70 (over+70~ +85*2)		
LP08202R7335U	3.3	φ8.0×20		75			
LP10202R7505U	5	φ10.0×20		60			
LP10252R7705U	7	φ10.0×25		60		☆	160 yen per unit
LP10302R7106U	10	φ10.0×30		35			
LP10402R7126U	12	φ10.0×40		40		☆	270 yen per unit
LP12202R7106U	10	φ12.5×20		45			
LP12252R7126U	12	φ12.5×25		45		☆	270 yen per unit
LP12302R7166U	16	φ12.5×30		40		☆	360 yen per unit
LP12352R7206U	20	φ12.5×35		40			

*2 Note: The operating temperature range at the maximum usable voltage of 2.3 V is -40 to +85°C.