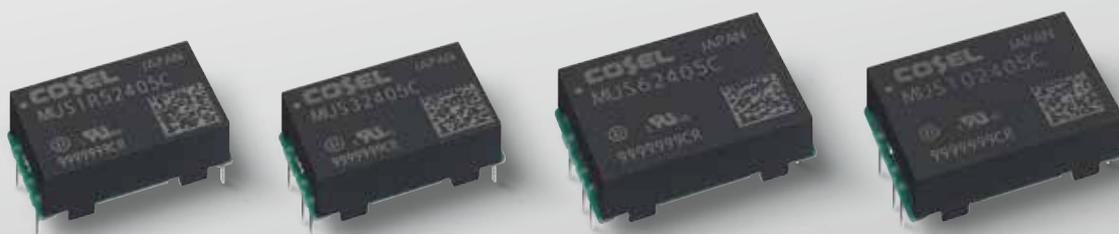




Low Profile Compact DC-DC Converter

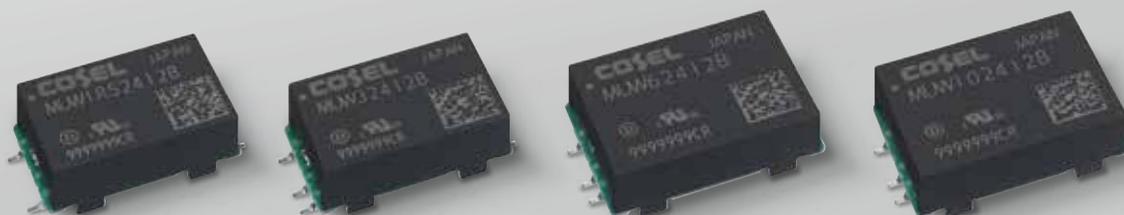


MUS1R5

MUS3

MUS6

MUS10



MUW1R5

MUW3

MUW6

MUW10

1.5/3/6/10W

NEW

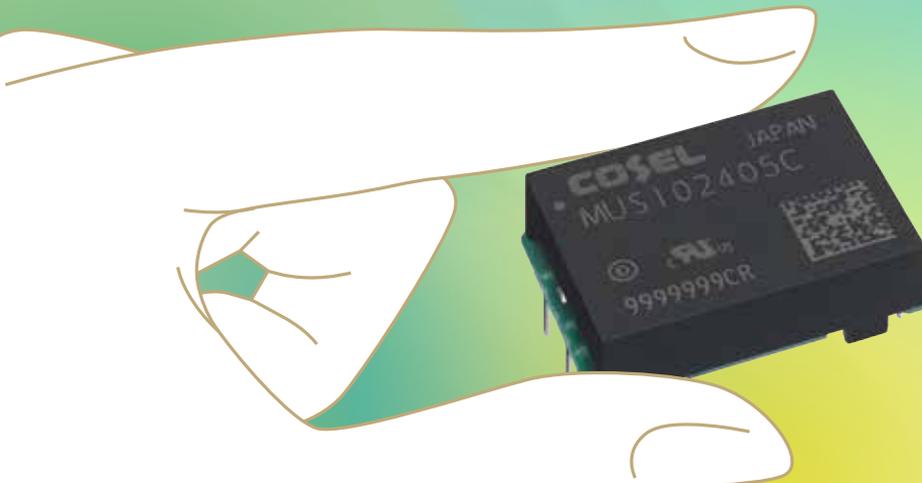
MU
series

The next generation
to the very successful
SU series.

MU series

Low Profile·Compact DC-DC Converter

Low profile and small footprint makes the MU series ideal for small space applications.



1.5W to 10W
Total 96 models. Enriched Line-up

Same Line-up as existing SU/SUC series models.
A range of models designed for versatility and performance.



Power	1.5W, 3W, 6W, 10W
Input	5, 12, 24, 48VDC
Output	3.3, 5, 12V, 15VDC ±12V(+24V) ±15V(+30V)

Compact Size

Footprint

Suitable for reducing application footprint area

Compact size saves P.S. space smaller than the existing series (SU/SUC series).

High Density on application footprint area is available

The Same



SU1R5

28% Reduced



SU3

33% Reduced



SU6

53% Reduced



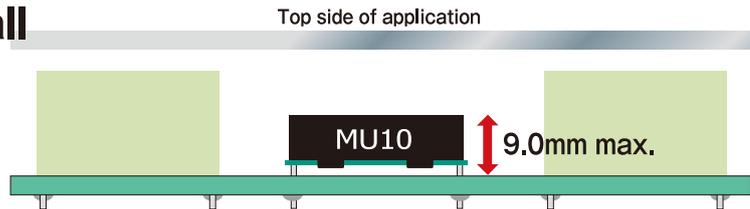
SU10

*Photo: Original Scale

Height

Suitable to install in small application space

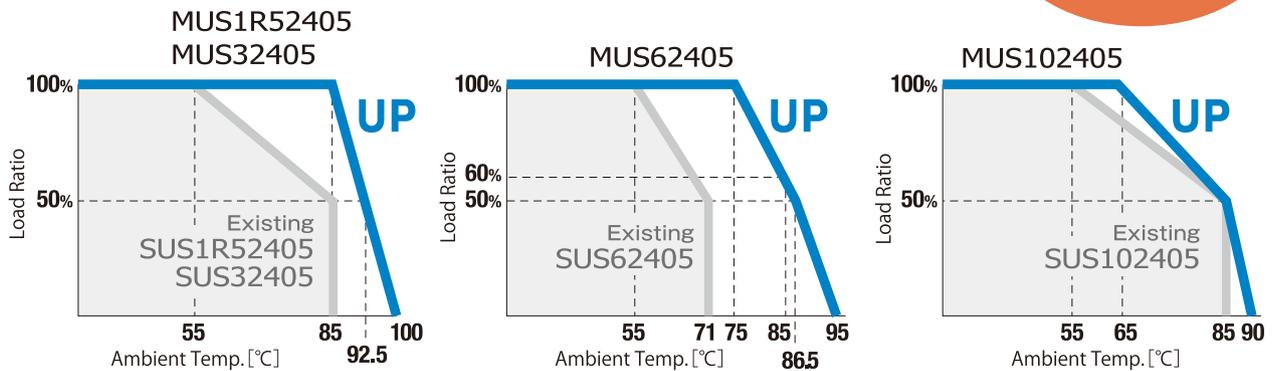
The height of its MU series is max. 9.0mm. The low profile is available high power density in small application space.



High Ambient Temperature Operation

Full power operation at higher temp. available compared to existing series (SU/SUC series)

Higher efficiency reduces heat generation in applications.

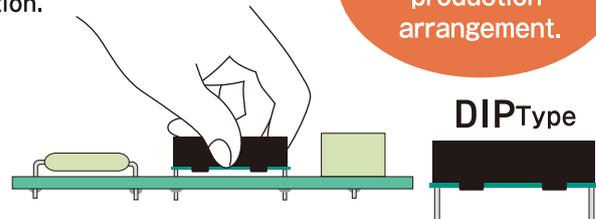
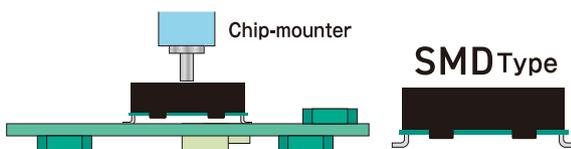


SMD/DIP Type

2 Form Factors, Surface mount or Through hole available.

SMD Type available on a tray for pick and place installation.

Tray package reduces application production arrangement.



Tightly Packed Installment...Compact System Available

Mounting Automatically...Reduces application assembly cost

Flow-type soldering: DIP type is available.

NEW

MU series



Model Name	Output Wattage	Input Voltage				Output Voltage / Output Current						Case Size (W×H×D) mm [inches]
						3.3V	5V	12V	15V	±12V (24V)	±15V (30V)	
MUS1R5 MUW1R5	1.5W	5VDC (4.5 to 9VDC)	12VDC (9 to 18VDC)	24VDC (18 to 36VDC)	48VDC (36 to 76VDC)	0.4A	0.3A	0.13A	0.1A	0.065A	0.05A	21.4×8.5×13.4 [0.84×0.33×0.53]
MUS3 MUW3	3W					0.6A	0.6A	0.25A	0.2A	0.13A	0.1A	
MUS6 MUW6	6W					1.35A	1.2A	0.5A	0.4A	0.25A	0.2A	24.0×8.5×17.3 [0.94×0.33×0.68]
MUS10 MUW10	10W					2.6A	2A	0.9A	0.7A	0.45A	0.35A	

Low Profile Compact DC-DC Converter **MU**series

Feature

- ▶ SMD/DIP Types available
- ▶ Thin type · Light weight · Space Saving
- ▶ Isolation (Input - Output) 500VAC (1 min.)
- ▶ Operating Temperature -40 to 100°C (MU1R5, 3)
-40 to 95°C (MU6)
-40 to 90°C (MU10)
- ▶ Over Heat Protection (Auto-recovery)
- ▶ Remote-control (MU3, 6, 10)
RC Voltage 0 to 0.3V or Open-mode: DC Output ON
RC Voltage 2 to 9V: DC Output OFF
- ▶ External Output Voltage adjustable: +10% to -5%

Safety Standards

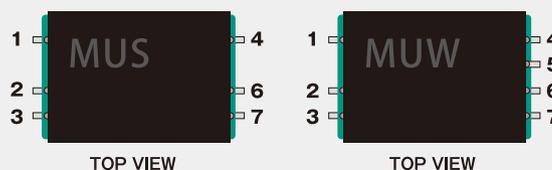
- ▶ UL62368-1
- ▶ C-UL (CAN/CSA-22.2 No.62368-1)
- ▶ EN62368-1

Single

MUS1R5
MUS3
MUS6
MUS10

Dual

MUW1R5
MUW3
MUW6
MUW10



Pin	Single	Dual
1	+Vin	
2	RC (Excl. 1.5W)	
3	-Vin	
4	+Vout	
5	—	COM
6	TRM	
7	-Vout	

Head Office **COSEL CO., LTD.**

1-6-43 Kamiakae-machi, Toyama 930-0816, Japan

Phone +81-76-432-8152

E-mail sales@cosel.co.jp

URL https://www.cosel.com/en/

Worldwide Sales/Support Network

[AMERICA]

COSEL U.S.A., INC.

Phone +408-980-5144

E-mail sales@coselusa.com

URL https://coselusa.com

《Engineering and Technical Support》

E-mail techsupport@coselusa.com

[EUROPE]

COSEL EUROPE GmbH

Phone +49-69-95 00 79-0

E-mail sales@coselurope.eu

URL https://www.coselurope.eu

《Engineering and Technical Support》

E-mail techsupport@coselurope.eu

[ASIA]

COSEL ASIA LTD.

Phone +852-2305-2712

E-mail sales@coselasia.com

URL https://www.coselasia.com

COSEL (SHANGHAI) ELECTRONICS CO., LTD.

Phone +86-21-6440-0381

E-mail sales@coselasia.cn

URL https://www.coselasia.cn