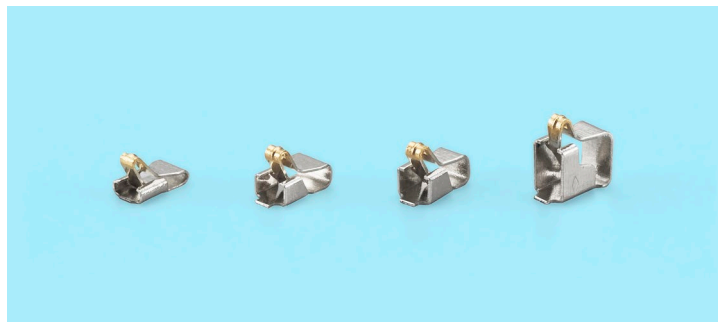


SMK Develops Terminal for Small Mobile Devices Featuring Industry's Smallest* Mounting Area



SMK has developed “Ultra Small Terminal Series”, terminals with a minimized mounting area for ground connection and antenna connection of small mobile devices.

Reduction of the mounting area is a critical factor for components used in small devices such as smartphones and wearable devices. Small Terminals are required further downsizing and, at the same time, a wide range of lineup with various heights.

SMK’s “Ultra Small Terminal Series” achieved the industry’s smallest mounting area with a width of 0.9 mm and a length of 1.8 mm. It is about 60% smaller than SMK’s conventional product (RT Series).

There are currently four types in this series: UST-1 (operating height range: 0.45 to 0.75 mm), UST-2 (0.6 to 0.9 mm), UST-3 (0.75 to 1.05 mm), and UST-7 (1.35 to 1.65 mm). SMK plans to sequentially develop UST-4, UST-5, and UST-6 (0.9 to 1.5 mm) in the future.

In addition, it can transmit a current of 1.5A at 5V DC, making it usable also for power connection.

* According to SMK's research.

[Applications]

Ground connection of smart watches, antenna connection of smartphones, ground, antenna, and power connection of other small and thin devices.

Published Date	January 13th, 2022	
Press Release Number	1143CS	
Product Name	Ultra Small Terminal Part Number: 415CPB-239-50F (UST-1), 415CPB-258-50F (UST-2), 415CPB-259-50F (UST-3), 415CPB-260-50F (UST-7)	
Features	<ul style="list-style-type: none"> 1) Industry's smallest mounting area. 2) Diverse operating height ranges: from 0.45 to 1.65mm. 3) Allows current of 1.5A. 	
Major Specifications	Rating	5V DC, 1.5A
	Contact Resistance	50mΩ maximum
	Operating Temperature Range	-45°C to +85°C
	External Dimensions	0.9 mm (W) × 1.8 mm (L) *Height varies by part number
	Mounting Area	1.8mm ² (maximum) *Size of recommended pad in PCB
	Operating Life	10 cycles
	Mounting Method	Surface mounting
	Packaging	Reel
Start Taking Orders From	Started	
Goes Into Mass Production From	UST-1 Started UST-2,3,7 May 2022	
Production Capacity	2,000,000 units per month	
Sample Price	100 yen per unit	
Inquiry	For more information, please contact CS Division	