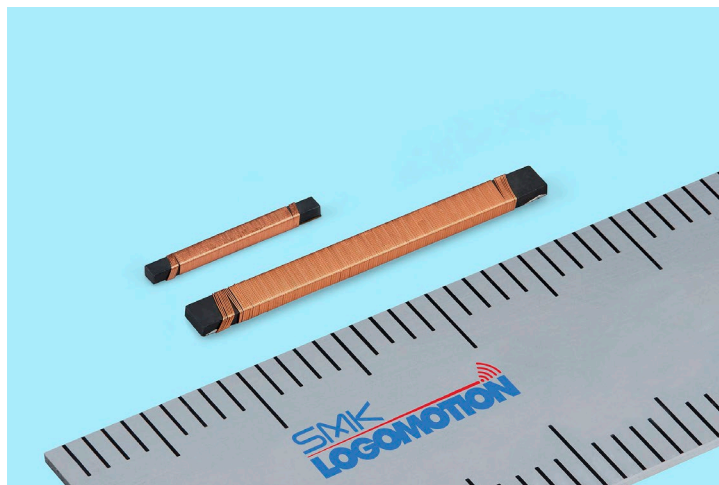


SMK-LOGOMOTION Develops Miniature NFC Antenna Featuring Stable Performance in Metallic Environment



SMK-LOGOMOTION Corporation (SLC), a joint venture between SMK Corporation and Logomotion – a Slovak company, has developed miniature Near Field Communication (NFC) antenna.

SLC's miniature antenna is ideal for small devices thanks to its reduced size (18.5mm×1.75mm) which occupies less than one-tenth the area of conventional antennas with similar capabilities (ca. 20mm×20mm).

SLC's antenna works stably even in the presence of metallic materials which usually degrades the signal transmission quality of conventional antennas on the market. It is not necessary to adjust the arrangement of metallic components near to the antenna, to remove the ground plane or to use ferrite shielding. Therefore, using SLC's antenna would save the man-hours required for NFC designs as well as individual model modifications.

The antenna can transmit signals in any direction, which offers enhanced usability and enables NFC integration to a variety of products.

Having electrodes at both ends, the antenna is capable of reflow soldering and surface mounting, and thus requires no pin connectors.

This product is patented in the US, Japan, China, Taiwan, etc.

SMK-LOGOMOTION intends to continue expanding its miniature NFC antenna product lines.



【Applications】

NFC-equipped devices (e.g. smartphones, smartwatches, payment terminals, card readers, memory cards, and healthcare products.)

Published Date	October 4th, 2018	
Press Release Number	1107SLC	
Product Name	SLC NFC Antenna	
Features	1) Reduced size which occupies less than one-tenth the area of conventional antennas on the market. 2) Hardly affected by metals, there is no need for measures to avoid influences of a metallic environment or individual model modifications. 3) Capable of transmitting signals in any direction, which offers enhanced usability. 4) Applicable to reflow-soldering. 5) Patented in the US, Japan, China, Taiwan, etc.	
Major Specifications	Frequency Band	13.56MHz
	RF Standard	ISO/IEC 18092, ISO/IEC 14443
	External Dimensions (Available in two dimensions)	Large: 18.5mm (W) × 1.75mm (D) × 0.8mm (H) Small: 9mm (W) × 0.95mm (D) × 0.8mm (H)
Start Taking Orders From	October, 2018	
Goes Into Mass Production From	October, 2018	
Inquiry	For more information, please contact SMK-LOGOMOTION	