

SMK Develops a Reflow-Solderable Rectangular Connector Compatible with Terrestrial Digital Broadcasts, VR-1 Series



SMK Corporation has expanded its lineup of the rectangular connectors for automotive devices, VR-1 series, by developing a new reflow-solderable version.

The VR-1 series is automotive coaxial connectors designed to be compact for connecting antennas of terrestrial digital broadcasts.

There is growing demand for automotive coaxial connectors for connecting TV antenna in recent years, along with the wide spread of automotive devices including car navigation equipment having digital terrestrial television viewing function.

SMK has already been providing Dual In-line Package (DIP) typed 1-, 2-, and 4-pole rectangular connectors. With the newly developed reflow-solderable 4-pole connector, SMK will offer wider range of proposals corresponding to customer needs.

This product is low profile and small with the external dimensions of 9.7 mm in mounting height, 13.9 mm in depth, and 31.5 mm in width.

Secure mating between plug and receptacle and retaining force of 70N are ensured by adopting a push-on mold locking system.

In addition, it has a fully shielded structure for noise suppression.



【Applications】

Car navigation equipment and car television.

Date Released	February 28th, 2017	
Press Release Number	1078CS	
Product Name	Rectangular connector compatible with terrestrial digital broadcasts 4-pole type (Reflow-soldering version) Part Number: CSS5304-4MXXF	
Major Specifications	Frequency Range	DC to 1GHz
	VSWR	1.5 maximum (DC to 1GHz)
	Insertion Loss	0.13dB maximum (connector)
	Operating Temperature Range	-40°C to 85°C
	External Dimensions	9.7mm × 13.9mm × 31.5mm
Production Capacity	100,000 units per month	
Sample Price	500 yen per unit	