



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

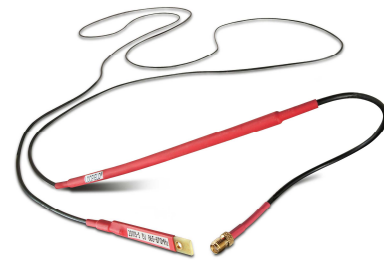
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New thinking – design your RFID reading field



## Ha-VIS LOCFIELD® Traveling wave RFID antenna

Identification	Part number	Idea
Ha-VIS LOCFIELD®		
2 m (active length), total length 2,5 m, diameter 3 mm, SMA (m), EU	2093 610 110010	<p>The Ha-VIS LOCFIELD® changes everything. Instead of installing patch antennas, the coax antenna cable itself becomes the antenna. The read range can be varied from a few centimeters to about 2 m just by changing the power of the RFID reader. The LOCFIELD® antenna can easily be installed in any shape which serves the project in the best possible way.</p> <p>Applications:</p> <ul style="list-style-type: none"> <li>- Tool identification in machines</li> <li>- Door and window pass-throughs</li> <li>- Wireless sensor networks</li> <li>- Smart shelf</li> </ul>
2 m (active length), total length 3 m, low loss coax, diameter 5 mm, SMA (m), EU	2093 610 210010	
1 m (active length), total length 1,5 m, diameter 3 mm, SMA (m), EU	2093 610 110020	
0,3 m (active length), total length 0.6 m, diameter 3 mm, SMA (m), EU	2093 610 110030	
2 m (active length), total length 3 m, low loss coax, diameter 5 mm, SMA (m), FCC	2093 610 220010	
1 m (active length), total length 1,5 m, diameter 3 mm, SMA (m), FCC	2093 610 120020	
0,3 m (active length), total length 0.6 m, diameter 3 mm, SMA (m), FCC	2093 610 120030	

## Technical characteristics

### General characteristics

Read range	from a few cm up to 2 m (strongly depending on reader, configured power and tags)
Optimized for	Identification of tools in machines Door openings and pass throughs Wireless sensor networks Smart shelf / smart work bench

### Electric properties

Frequency range	EU: 865 ... 868 MHz; FCC: 902 ... 928 MHz
Impedance	50 Ohm
VSWR	< 1.8:1
Polarisation	Linear (tags are read in any orientation)
Gain	approx. -7 dBi
Opening angle / read angle	360°
Max. power	2 W (applied to antenna)
Connection	SMA male TNC-rev (on request)

### Mechanical properties

Length	see first page
Degree of protection	IP 65
Installation	Can be mounted directly on any non-conducting surface. On conducting surfaces a distance of at least 2 cm is recommended
Operating temperature range	-20 °C ... +65 °C
Storage temperature range	-40 °C ... +85 °C