### **FAKRA Cable Connector**

# IDM-K68, K86, K68W, K86W

Connectors

### **FEATURES**

- 1. Applicable to automotive antennas for radiofrequency signal transmission.
- 2. Weight saving model with a metal stamping
- 3. Each coding (mating key) is available.
- 4. Compliant with RoHS Directive.



### **HOW TO ORDER**

1. IDM-K68

$$\frac{\text{K68}}{1}$$
 - 001 - A757 -  $\frac{1}{2}$ 

- 1 Series No. (K68)
- 2 Coding (A~Z)

3. IDM-K68W

$$\frac{\text{K68W}}{1}$$
 - 002 - B025 -  $\frac{\square}{2}$ 

- 1 Series No. (K68W)
- 2 Coding (A to K, Z)

2. IDM-K86

- 1 Series No. (K86)
- 2 Coding (A~Z)

4. IDM-K86W

- 1 Series No. (K86W)
- 2 Coding (A to K, Z)

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The details listed here are not a guarantee of the individual products at the time of ordering. When using the products, you will be asked to check their specifications.

## SPECIFICATIONS

#### **ELECTRICAL CHARACTERISTICS**

Rated Voltage	60V DC max.	
Rated Current	1A DC max.	
Characteristic Impedance	50Ω	
Insertion Loss	0.15dB max. (0 to 1GHz) 0.25dB max. (1 to 2.5GHz)	
	0.35dB max. (2.5 to 4GHz)	
Return Loss	15.6dB min. (0 to 2GHz)	
	14.0dB min. (2 to 4GHz)	

#### **MECHANICAL CHARACTERISTICS**

Life (Mating Cycle)	25 times	
Total Insertion Force	≤25N (Dual type : ≤50N)	
Total Withdrawal Force	≤25N (Dual type : ≤50N)	

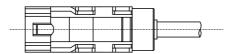
## MATERIAL & FINISH

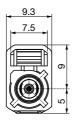
Com	ponent Parts	Material	Finish
IDM-K68	Contact Pin	Copper alloy	Gold plating
	Housing	LCP resin	Natural
	Shell	Copper alloy	Ni plating
	Cover	PA resin	Corresponds to each coding
IDM-K86 Straight Plug	Contact Pin	Copper alloy	Gold plating
	Housing	LCP resin	Natural
	Shell	Copper alloy	Ni plating
	Cover	PBT resin	Corresponds to each coding
IDM-K68W Straight Jack Dual type	Contact Pin	Copper alloy	Gold plating
	Housing	LCP resin	Natural
	Shell	Copper alloy	Ni plating
	Cover	PA resin	Corresponds to each coding
IDM-K86W Straight Plug Dual type	Contact Pin	Copper alloy	Gold plating
	Housing	LCP resin	Natural
	Shell	Copper alloy	Ni plating
	Cover	PBT resin	Corresponds to each coding

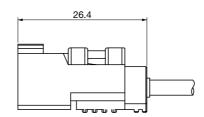
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## DIMENSIONS

IDM-K68

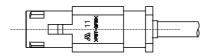


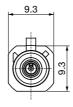


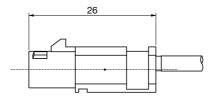




IDM-K86



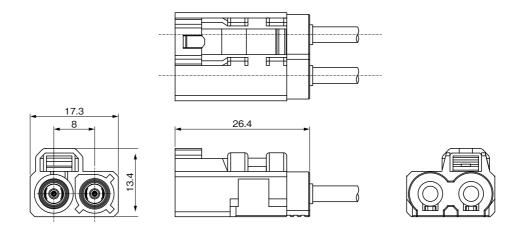




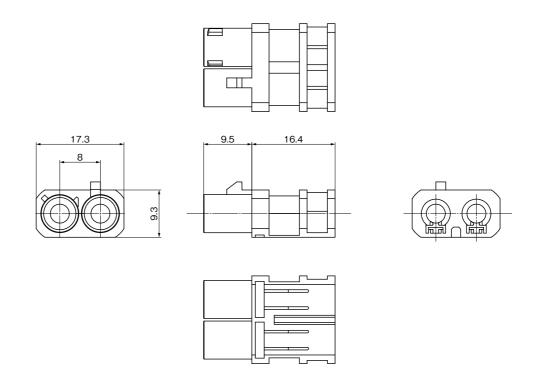
Unit: mm

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#### IDM-K68W



#### IDM-K86W



Unit: mm

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