

NO: RF-038 DATE: May 2016 PRODUCT: TYPE:

Select V680 RFID Tags Discontinuation Notice

# Select V680 RFID Tags to be Discontinued

Discontinuation date: March 31, 2017

### **Affected Parts**

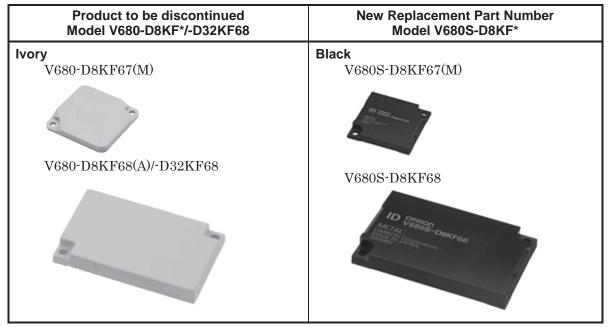
Product discontinuation	Recommended replacement
V680-D8KF67	V680S-D8KF67
V680-D8KF67M	V680S-D8KF67M
V680-D8KF68	V680S-D8KF68
V680-D8KF68A	V680S-D8KF68
V680-D32KF68	No recommended replacement



Select V680 tags are being discontinued and, for most parts, are being replaced with V680S versions. For the replacements, data capacity is the same; however, there are dimensional characteristics and other variations between the discontinued part and replacement part.

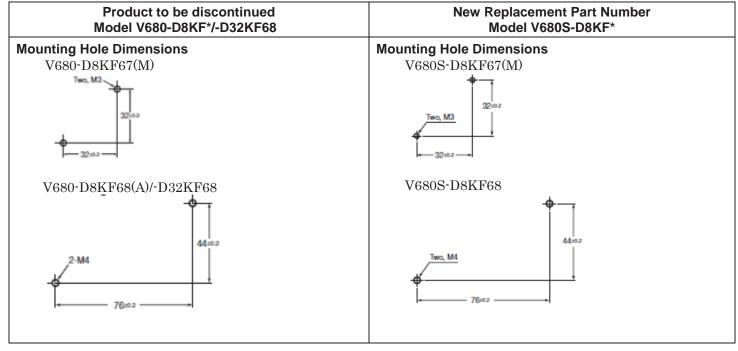
## **Detail of Differences**

#### **Body Color**

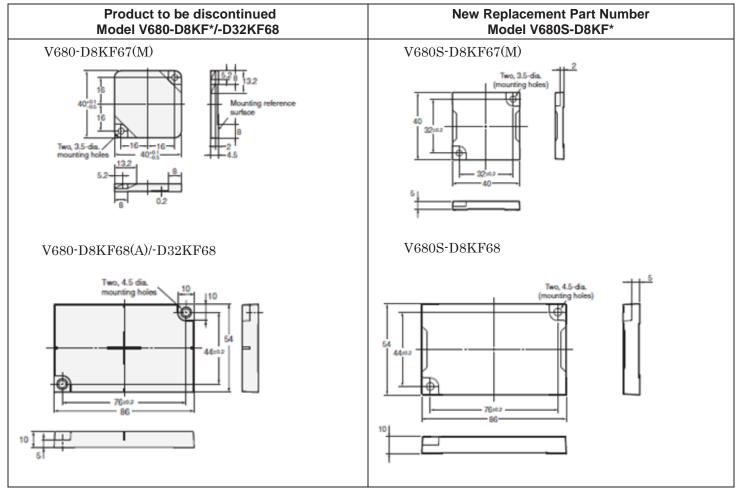


### **Detail of Differences**

#### **Mounting Dimensions**

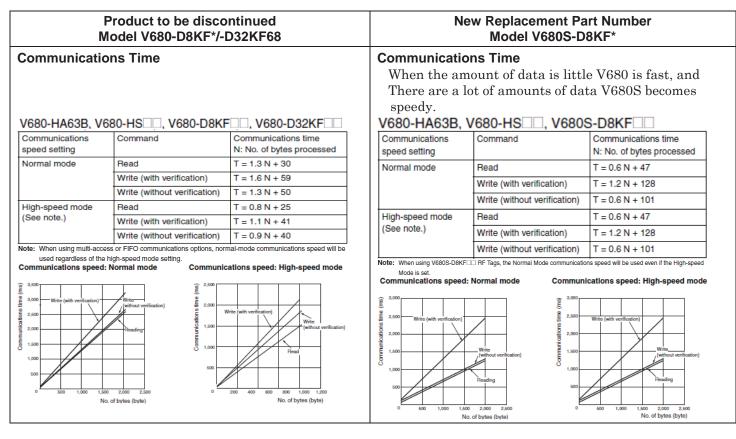


#### Dimensions



### Specifications

ltem	Product to be discontinued Model V680-D8KF*/-D32KF68	New Replacement Part Number Model V680S-D8KF*		
Memory capacity	V680-D8KF* : 8,192 bytes (user area) V680-D32KF68 : 32,744 bytes (user area)	8,192 bytes (user area)		
Memory type	FRAM	FRAM		
Data retention time	10 years after writing (70°C max.), 6 years after writing (85°C max.)	10 years after writing (85°C max.)		
Write endurance **1	10 billion times per block. Access frequency : 10 billion times	1 trillion times per block. Access frequency : 1 trillion times		
Ambient operating temperature	- 20 to 85°C (with no icing)	– 20 to 85°C (with no icing)		
Ambient storage temperature	- 40 to 85°C (with no icing)	- 40 to 125°C (with no icing)		
Ambient operating humidity	35 to 85%	35 to 85%		
Degree of protection	IP67 (IEC60529:2001) Oil resistance equivalent to IP67G (JIS C 0920:2003, Appendix 1)**2	IP68 (IEC60529:2001)/ IPX9K (DIN 40 050) Oil resistance equivalent to IP67G (JIS C 0920:2003, Appendix 1)**2		
Vibration resistance	V680-D8KF67(M) ; 10 to 2,000 Hz, 1.5-mm double amplitude at 150 m/s <sup>2</sup> acceleration with 10 sweeps in X, Y, and Z directions for 15 minutes each V680-D8KF68(A)/-D32KF68 ; 10 to 500 Hz, 1.5-mm double amplitude at 100 m/s <sup>2</sup> acceleration with 10 sweeps in X, Y, and Z directions for 11 minutes each	V680S-D8KF67(M) ; 10 to 2,000 Hz, 1.5-mm double amplitude at 150 m/s <sup>2</sup> acceleration with 10 sweeps in X, Y, and Z directions for 15 minutes each V680S-D8KF68 ; 10 to 500 Hz, 1.5-mm double amplitude at 100 m/s <sup>2</sup> acceleration with 10 sweeps in X, Y, and Z directions for 11 minutes each		
Shock resistance	500 m/s <sup>2</sup> in X, Y, and Z directions 3 times each (18 times in total)	500 m/s <sup>2</sup> in X, Y, and Z directions 3 times each (18 times in total)		
Appearance	V680-D8KF67(M) :40×40×4.5mm V680-D8KF68(A)/-D32KF68 :86×54×10mm	V680S-D8KF67(M) :40×40×5mm V680S-D8KF68 :86×54×10mm		
Materials	Case: PBT resin Filling: Epoxy resin	PPS resin		
Weight	V680-D8KF67 Approx. 8g   V680-D8KF67M Approx. 8.5g   V680-D8KF68 Approx. 50g   V680-D8KF68A Approx. 50g   V680-D32KF68 Approx. 50g	V680S-D8KF67 Approx. 11.5g V680S-D8KF67M Approx. 12g V680S-D8KF68 Approx. 44g		
Metallic compatibility	V680-D8KF67 No   V680-D8KF67M Yes   V680-D8KF68 No   V680-D8KF68A No   V680-D32KF68 No	V680S-D8KF67 No V680S-D8KF67M Yes V680S-D8KF68 No		



#### **Tag Read/Write Distance**

Amplifier	Antenna	Product to be discontinued Model V680-D8KF67		Replacement Part Number Model V680S-D8KF67
		Read	Write	Read and Write
V680-HA63B	V680-HS52	0 to 17mm	0 to 17mm	0 to 17mm
	V680-HS63	7 to 30mm	7 to 30mm	7 to 30mm
	V680-HS65	0 to 42mm	0 to 42mm	0 to 42mm
V680-HAM42 V680-HAM81/91	V680-HS52	1 to 17mm	1 to 17mm	1 to 17mm
	V680-HS63	7 to 30mm	7 to 30mm	7 to 30mm
	V680-HS65	5 to 42mm	5 to 42mm	5 to 42mm
V680-H01-V2		0 to 100mm	0 to 100mm	0 to 100mm
V680-CH*D		Communicable	Communicable	Communicable

Amplifier	Antenna	Product to be discontinued Model V680-D8KF67M		Replacement Part Number Model V680S-D8KF67M
		Read	Write	Read and Write
V680-HA63B	V680-HS52	0 to 16mm	0 to 16mm	0 to 16mm
	V680-HS63	6 to 25mm	6 to 25mm	6 to 25mm
	V680-HS65	0 to 25mm	0 to 25mm	0 to 25mm
V680-HAM42 V680-HAM81/91	V680-HS52	1 to 16mm	1 to 16mm	1 to 16mm
	V680-HS63	6 to 25mm	6 to 25mm	6 to 25mm
	V680-HS65	5 to 25mm	5 to 25mm	5 to 25mm
V680-CH*D	·	Communicable	Communicable	Communicable

Amplifier	Antenna	Product discontinuation Model V680-D8KF68		Recommended replacement Model V680S-D8KF68
		Read	Write	Read and Write
V680-HA63B	V680-HS63	0 to 45mm	0 to 45mm	0 to 45mm
	V680-HS65	0 to 75mm	0 to 75mm	0 to 75mm
V680-HAM42 V680-HAM81/91	V680-HS63	5 to 45mm	5 to 45mm	5 to 45mm
	V680-HS65	5 to 75mm	5 to 75mm	5 to 75mm
V680-H01-V2		0 to 150mm	0 to 150mm	0 to 150mm
V680-CH*D		Communicable	Communicable	Communicable

Amplifier Antenna		Product discontinuation Model V680-D8KF68A		Recommended replacement Model V680S-D8KF68
		Read	Write	Read and Write
V680S-HMD66-ETN		10 to 100mm	10 to 100mm	10 to 115mm
V680S-HMD64-ETN		7.5 to 75mm	7.5 to 75mm	7.5 to 75mm

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.