



Passive
Electronic
Components

VITROHM
A YAGEO Company

VITROHM PORTUGUESA – Unipessoal, Lda.

Apartado 1516 - Abóboda
2786-901 S. Domingos de Rana - PORTUGAL

Solderability and storage conditions for **S M D and Through Hole Resistors**

VITROHM hereby guarantees to our customers, the solderability of S M D and through hole resistors are unaffected for 2 years after delivery under normal storage conditions, according to IEC60068-2-20, using the solder bath method under the conditions $t=245^{\pm 3}$ [°C] $3^{\pm 0,3}$ [s], the criteria is > 95[%] terminal area coverage.

This time is based on theoretical conditions of the above mentioned, international standard.

Our experience from continuous stock tests (VITROHM recheck all the resistors after 2 years in stock) also shows, that the leads/terminations used, remains solderable after 5 years of storage, nevertheless, is advisable that customer check the terminals solderability before use if the stock has more than 2 years.

The ideal storage conditions are described below:

	TEMPERATURE [°C]		RELATIVE HUMIDITY [%]		M S L	NOTES
	Lower	Upper	Lower	Upper		
S M D	+5	+40	5	85	1	IEC61760-2
Through Hole	+5	+40	5	60	1	

They should be kept away from chemical liquids or chemical gases, also from potential flooding areas and water infiltration, until the first use the original packaging should remain intact.



Passive
Electronic
Components

VITROHM

A YAGEO Company

VITROHM PORTUGUESA – Unipessoal, Lda.

Apartado 1516 - Abóboda
2786-901 S. Domingos de Rana - PORTUGAL

VITROHM has also a special packaging for current sensor resistors, like LPS (they are made of metal strip without any kind of cover or coating); they are packed in plastic box with a plastic bag cover hermetic sealed; inside a nitrogen air prevents the oxidation during storage and transportation.

This kind of packaging has no detrimental effects for the resistors, the resistors alloy will not be affected, however, before use the resistors should remain in the intact packaging.

After the package opened, the solderability will depend on the room temperature and humidity conditions, special for alloys with high percentage of copper (Cu) is advisable that customer check the solderability before use.

Tiago Sobral

Technical and innovation manager

Trajouce, 17th of August of 2015