



IGBR Resistor Storage Conditions and Shelf Life

This document outlines Vishay EFI's updated storage and shelf life recommendations for IGBR resistors, including packaging specific shelf life limits and handling guidance for diced on tape devices.

The IGBR resistor family does not show any significant changes in performance or reliability during storage in original packaging under the following standard storage conditions:

- Temperature: 18 °C to 28 °C
- Humidity: 30 % to 60 % R.H. in air atmosphere with original packaging

The devices' estimated shelf life is limited to the following metals and packaging listed in the chart below, assuming the above storage conditions are followed. The shelf life is valid from the VEFI factory ship date. VEFI recommends that all inventory received by the customer be used in a first in first out (FIFO) process.

IGBR BACKSIDE METAL	PACKAGING CODE	PACKAGING DESCRIPTION	ESTIMATED SHELF LIFE
Pd / Au	WS	Wafflepacks (trays)	5 years
Ni / Au	WS	Wafflepacks (trays)	1 year
Ti/NiV/Ag	WS	Wafflepacks (trays)	1 year
Ti/NiV/Ag	T5	Tape and reel (500 pcs)	1 year
Ti/NiV/Ag	TF	Tape and reel (5000 pcs)	1 year
Ti/NiV/Ag	ST	Diced-on-tape (UV exposed) ⁽¹⁾	6 months ⁽²⁾

Notes

- ⁽¹⁾ UV exposure is used to release the adhesive properties of the tape
⁽²⁾ Dicing tape will begin degrading and adhesion will increase over time. Diced on tape parts should remain sealed in a moisture barrier bag until the wafer is ready to be fully picked

The storage conditions defined above and the resistors' shelf life is in accordance with the definitions of the applicable United States Military standards for electronic components and the released IGBR datasheet.

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USEFUL LINKS	
IGBR Product Page	www.vishay.com/ppg?61107
IGBR Datasheet	www.vishay.com/doc?61107