

## RoHS (Restriction of Hazardous Substances)

### Certificate of Compliance

Ophir Optronics Solutions Ltd.- Optics Division hereby certifies that all its products are compliant with the European Union's RoHS directive 2011/65/EU & European Union Directive 2015/863 as amended on 31 March 2015, regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment. The products are compliant to RoHS requirements for concentration limitations, by weight of homogeneous material, of the following ten substances:

Lead	<0.1% (1000 PPM)
Mercury	<0.1% (1000 PPM)
Cadmium	<0.01% (100 PPM)
Hexavalent Chromium	<0.1% (1000 PPM)
Polybrominated Biphenyls (PBB)	<0.1% (1000 PPM)
Polybrominated Diphenyl Ethers (PBDE)	<0.1% (1000 PPM)
Bis(2-Ethylhexyl) phthalate (DEHP)	<0.1% (1000 PPM)
Butyl benzyl phthalate (BBP)	<0.1% (1000 PPM)
Dibutyl phthalate (DBP)	<0.1% (1000 PPM)
Diisobutyl phthalate (DIBP)	<0.1% (1000 PPM)

The above thresholds are not in place for any legally allowable exemptions per Annex III of the 2011/65/EU directive.

All information provided in this Certificate of Compliance is accurate to Ophir's knowledge as of the date of this certification. This confirmation is made based our internal engineering risk analysis of the individual items possibly being present along with the best technical information made available to Ophir from its material suppliers.

**Dvir Frankel**  
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Ophir Optronics Solutions Ltd.  
MKS Instruments, Inc.

**Date: 05.03.2020**