



2 Tech Drive
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RoHS **(Restriction of Hazardous Substances)**

Certificate of Compliance

MKS Instruments, Inc. hereby certifies that the products listed in the attached table are compliant with the European Union's RoHS Directive, (EU) 2015/863 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment. The products listed below are compliant to RoHS requirements for concentration limitations, by weight of homogeneous material, of the ten substances shown on the following page.

<u>Product</u>	<u>RoHS Compliant Part Number</u>
FARADAY ISOLATOR, MP, 461NM, 4MM	ISO-04-461-MP
FARADAY ISOLATOR,MP,532NM,4MM	ISO-04-532-MP
FARADAY ISOLATOR,MP,532NM,4MM, WP	ISO-04-532-MP-W
FARADAY ISOLATOR,LP,650NM,4MM	ISO-04-650-LP
FARADAY ISOLATOR,LP,650NM,4MM, WP	ISO-04-650-LP-W
FARADAY ISOLATOR,MP,650NM,4MM	ISO-04-650-MP
FARADAY ISOLATOR,MP,650NM,4MM, WP	ISO-04-650-MP-W
FARADAY ISOLATOR,LP,780NM,4MM	ISO-04-780-LP
FARADAY ISOLATOR,MP,780NM,4MM	ISO-04-780-MP
FARADAY ISOLATOR,MP,780NM,4MM,WP	ISO-04-780-MP-W
FARADAY ISOLATOR,LP,850NM,4MM	ISO-04-850-LP
FARADAY ISOLATOR,MP,850NM,4MM	ISO-04-850-MP
FARADAY ISOLATOR,LP,980NM,4MM	ISO-04-980-LP
FARADAY ISOLATOR,MP,980NM,4MM	ISO-04-980-MP
FARADAY ISOLATOR,MP,980NM,4MM,WP	ISO-04-980-MP-W
Broad Band ISOLATOR, 800nm, 5mm, APERTUR	ISO-05-800-BB
Broad Band ISOLATOR, 800nm, 8mm, APERTUR	ISO-08-800-BB
HP ISOLATOR, FS, 2050NM, 4MM APERT, NOWP	ISO-FRDY-04-2050-N
HP ISOLATOR, FS, 4550NM, 4MM APERT, NOWP	ISO-FRDY-04-4550-N
HP ISOLATOR, FS, 4550NM, 4MM APERT, WP	ISO-FRDY-04-4550-W



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HP ISOLATOR, FS, 1030 NM, 5 MM APERT, NOWP
HP ISOLATOR, FS, 1030 NM, 5 MM APERT, WP
HP ISOLATOR, FS, 1064 NM, 5 MM APERT, NOWP
HP ISOLATOR, FS, 1064 NM, 5 MM APERT, WP
HP ISOLATOR, FS, 1030 NM, 8 MM APERT, NO
HP ISOLATOR, FS, 1030 NM, 8 MM APERT, WP
HP ISOLATOR, FS, 1050 NM, 8 MM APERT, NO
HP ISOLATOR, FS, 1050 NM, 8 MM APERT, WP
HP ISOLATOR, FS, 1064 NM, 8 MM APERT, NO
HP ISOLATOR, FS, 1064 NM, 8 MM APERT, WP
HP ISOLATOR, FS, 1030 NM, 2 MM APERT, NOWP
HP ISOLATOR, FS, 1030 NM, 2 MM APERT, WP
HP ISOLATOR, FS, 1064 NM, 2 MM APERT, NOWP
HP ISOLATOR, FS, 1064 NM, 2 MM APERT, WP
COMPACT ISO, 2mm CA, VIS ISO, 532nm
COMPACT ISO, 2MM CA, VIS ISO, 532nm, WPI
COMPACT ISO, 2mm CA, VIS ISO, 638nm
COMPACT ISO, 2MM CA, VIS ISO, 638nm, WPI
COMPACT ISO, 2mm CA, VIS ISO, 785nm
COMPACT ISO, 2MM CA, VIS ISO, 785nm, WPI
COMPACT ISO, 4mm CA, 532nm, ISO
COMPACT ISO, 4mm CA, 532nm, ISO, WPI
COMPACT ISO, 4mm CA, 638nm, ISO
COMPACT ISO, 4mm CA, 638nm, ISO, WPI
COMPACT ISO, 4mm CA, 785nm, ISO
COMPACT ISO, 4mm CA, 785nm, ISO, WPI

ISO-FRDY-05-1030-N
ISO-FRDY-05-1030-W
ISO-FRDY-05-1064-N
ISO-FRDY-05-1064-W
ISO-FRDY-08-1030-N
ISO-FRDY-08-1030-W
ISO-FRDY-08-1050-N
ISO-FRDY-08-1050-W
ISO-FRDY-08-1064-N
ISO-FRDY-08-1064-W
ISO-FRDY-02-1030-N
ISO-FRDY-02-1030-W
ISO-FRDY-02-1064-N
ISO-FRDY-02-1064-W
ISO-FRDY-02-532-N
ISO-FRDY-02-532-W
ISO-FRDY-02-638-N
ISO-FRDY-02-638-W
ISO-FRDY-02-785-N
ISO-FRDY-02-785-W
ISO-FRDY-04-532-N
ISO-FRDY-04-532-W
ISO-FRDY-04-638-N
ISO-FRDY-04-638-W
ISO-FRDY-04-785-N
ISO-FRDY-04-785-W



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The thresholds shown below are not in place for any legally allowable exemptions per Annex III of the aforementioned directive. If such exemptions are in use, they are noted on the attached table. If no exemptions are in use, then no further information is provided.

All information provided in this Certificate of Compliance is accurate to MKS' 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 MKS from its material suppliers.

Reuven Silverman
Instruments General Manager

[Date]

LIST OF SUBSTANCES BANNED BY ROHS DIRECTIVE EU 2015/863

(Item cannot exceed 0.1% of homogeneous material – except as noted)

- Lead (Pb)
- Mercury (Hg)
- Cadmium (Cd) – 0.01% limit
- Hexavalent chromium (Cr6+)
- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ether (PBDE)
- Diisobutyl phthalate (DIBP)
- Bis (2-ethylhexyl) phthalate (DEHP)
- Butyl benzyl phthalate (BBP)
- Dibutylphthalate (DBP)