

## Amendment to the Certificate (933/21203530/03 from 02/03/2005) on Classification of the Laser Product Family HFCT-5962XXX

according to IEC 60825-1:2003 and IEC 60825-2:2000

TÜV Reference: 933/21205741/040

(The European Standards and their derivatives EN 60825-1:2003 and EN 60825-2:2000 are equivalent to the IEC 60825-1 and IEC 60825-2 mentioned. Therefore the certification is valid also in the sense of the corresponding EN standards.)

The laser product family **HFCT-5962XXX** now includes:

HFCT-5755ATL	HFCT-5961ATL	AFCT-5760XXX-YYY
HFCT-5755ATP	HFCT-5961NG	AFCT-5760XXXZ-YYY
HFCT-5755L	HFCT-5961NL	AFCT-5765XXX-YYY
HFCT-5755P	HFCT-5961TG	AFCT-5765XXXZ-YYY
HFCT-5755TL	HFCT-5961TL	AFCT-5771AL
HFCT-5755TP	HFCT-5962ATG	AFCT-5771AP
HFCT-5755XXX-YYY	HFCT-5962ATL	AFCT-5771AP-CS
HFCT-5760ANL	HFCT-5962NG	AFCT-5771L
HFCT-5760ATP	HFCT-5962NL	AFCT-5771P
HFCT-5760NL	HFCT-5962TG	AFCT-5771XX-YYY
HFCT-5760NP	HFCT-5962TL	AFCT-5771XXX-YYYY
HFCT-5760TL	HFCT-5963ATG	AFCT-5961XXX
HFCT-5760TP	HFCT-5963ATL	AFCT-5961XXXZ
HFCT-5760XXX-YYY	HFCT-5963NG	AFCT-5962XXX
HFCT-5765ANL	HFCT-5963NL	AFCT-5962XXXZ
HFCT-5765ANP	HFCT-5963TG	AFCT-5963XXX
HFCT-5765ATL	HFCT-5963TL	AFCT-5963XXXZ
HFCT-5765ATP	HFCT-5964ATG	AFCT-5964XXX
HFCT-5765L	HFCT-5964ATL	AFCT-5964XXXZ
HFCT-5765NL	HFCT-5964NG	QFCT-57XXL/TL/ATL
HFCT-5765NP	HFCT-5964NL	QFCT-57XXP/TP/ATP
HFCT-5765P	HFCT-5964TG	QFCT-57XXXX
HFCT-5765TL	HFCT-5964TL	QFCT-59XXXXX
HFCT-5765TP	AFCT-5750XXXZ-YYY	-
HFCT-5765XXX-YYY	AFCT-5755XXX-YYY	-
HFCT-5961ATG	AFCT-5755XXXZ-YYY	-

Parts added [5]: AFCT-5771XXX-YYYY

X can be any alphanumeric characters or blank (e. g. A, L, P, D, ...).

Z is the suffix that indicates, that the part is RoHS compliant. There is no alteration of the safety relevant laser part according to the declaration of the certificate holder [6]

- YYY or -YYYY are special customer order codes; no change to laser assembly or output

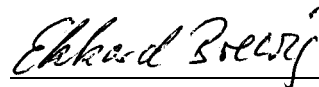
The family members as given as QFCT-57XXXX or QFCT-59XXXX variants allow customer specials. They all share the same electrical and optical sub-assemblies.

Customer specials must be described in their documentation. It has to be declared which laser sub-assembly is used (out of certified Avago «formerly: Agilent» parts).

The laser product family remains laser CLASS 1 according to IEC 60825-1:2001 [1] and can be used under laser hazard level 1 conditions according to IEC 60825-2:2000 [2].

Abteilung Immissionsschutz / Lärmschutz

Author:

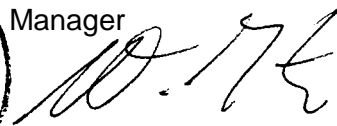


Dr. Ekkard Brewig

Köln, 16/Aug/2006  
933/21205741/040



Manager



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## Annex 1: Basics

- [1] **IEC 60825-1 Ed. 1.2:2001-08** „Safety of laser products - part 1: Equipment classification, requirements and user's guide" (DIN EN 60825-1:2001-11 is the German translation of this international standard, Reference IEC 60825-1:1993+A1:1997+A2:2001)
- [2] **IEC 60825-2:2000-05** „Safety of laser products - part 2: Safety of optical fibre communication systems. (DIN EN 60825-2:2000 is the German translation of the IEC 60825-2:2000)
- [3] **TÜV Certificate** on Classification of the Laser Product Family HFCT-5962XXX according to IEC 60825-1:2001 and IEC 60825-2:2000; no. 933/21203530/03 from 02/03/2005
- [4] **Previous Amendment** to the certificate [1], named 933/21203530/184 from 21/11/2005
- [5] **Agilent's declarations**, by email from 08/08/2006 concerning the parts and the meaning of the variable letters X, Y and Z.
- [6] **Agilent's declaration**, that the RoHS compliant part (letter Z) don't have any alteration to laser assembly, email 26. July 2005