

Amendment to the Certificate on Classification of the Laser Product Family HFCT-5205*** according to IEC 60825-1:2001 / DIN EN 60825-1:2003

Certification no.: 933/510312/01 from 24/07/2003

Amendment no.: 933/21203530/241 date: 18/Apr/2006

(The European Standards and their derivatives EN 60825-1:2003 and EN 60825-2:2005 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-5205**** now includes:

HFCT-5103***	HFCT-5202***	AFCT-5205XZ
HFCT-5179A	HFCT-5204***	AFCT-5179XXX
HFCT-5179B	HFCT-5205***	AFCT-5205XXX
HFCT-5179C	HFCT-5205X	AFCT-5215XXX
HFCT-5179D	HFCT-5206***	AFCT-5815XZ
HFCT-5199*	HFCT-5207***	QFCT-52*****
HFCT-5201 mod.	HFCT-5208XXXX	SFCT-51XXXX
HFCT-5201***	HFCT-5259EMS	SFCT-52XXXX
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Parts added [5], [6]: HFCT-5208XXXX

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

Z if present 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[5]
-XXY are special customer order codes; no change to laser assembly or output

All of these are 155 Mb/s SC Single Mode Fibre Transceiver for SONET/STC intermediate reach links. 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

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Köln, 18/Apr/2006
933/21203530/241



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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 Ed. 3:2005-07** „ Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS)" (DIN EN 60825-2:2005 is the German translation)
- [3] **TÜV Certificate** on Classification of the Laser Product Family HFCT-5745** according to IEC 60825-1:2001-08 / DIN EN 60825-1:2001-11; no. 933/510312/01 from 24/07/2003
- [4] **Previous Certificate** "Certificate on Classification of the Laser Product Family HFCT-5205*** according to IEC 60825-1:2001 / DIN EN 60825-1:2003", no. 933/21203530/240 from 16/03/2006
- [5] **Agilent's declarations**, by email from 06/04/2006 no 3) (adding HFCT-5208XXXX)
- [6] **Data sheet:** HFBR/HFCT-5208xxxZ, 1 x 9 Fiber Optic Transceivers for 622 Mb/s ATM/SONET/SDH Applications, 5989-4726EN - January 24, 2006