

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

81662A-01

S E R V I C E N O T E

Supersedes:
none

81662A

Serial Numbers: all

Software update due to specification change

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
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none

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION RECOMMENDED		
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.0 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AGILENT RESPONSIBLE UNTIL: March 2005		
AUTHOR: Ulrich Stempfle PRODUCT LINE: 3E		
ADDITIONAL INFORMATION:		

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February 26, 2002

Situation:

The specification of the 81662A and 81663A were enhanced February 2002. All modules , new or repaired, are shipped with the new specifications from OCMD from 1st of February. All 81662A and 81663A DFB lasers (old and new) keep the new specifications if firmware revision > 3.0 is installed on the DFB modules.

New specifications:

	Agilent 81662A For peak wavelengths see options	Agilent 81663A For peak wavelengths see options
Type	CW DFB Laser with built-in isolator	CW DFB Laser with built-in isolator
Wavelength	ITU Grid (100 GHz) typ. > ±500 pm 10 pm	ITU Grid (100 GHz) typ. > ±850 pm 10 pm
<ul style="list-style-type: none"> • Tuning Range • Display Resolution • Repeatability • Stability (15min.) • Stability (24h) 	<ul style="list-style-type: none"> ± 3 pm (typ. ± 1 pm) (new) ± 3 pm (typ ± 1 pm) (new) typ. ± 5 pm (new) 	<ul style="list-style-type: none"> ± 5 pm (typ. ± 2 pm) ± 5 pm (typ ± 2 pm) typ. ± 5 pm (new)
Fiber type	Panda PMF 9 / 125 μm	Panda PMF 9 / 125 μm
Output Connector	Compatible to angled contact APC, ASC, DIN47256/4108	Compatible to angled contact APC, ASC, DIN47256/4108
Power	typ. > +10 dBm (10 mW) typ. ±0.005 dB typ. ±0.03 dB	typ. > +13 dBm (20 mW) typ. ±0.003 dB typ. ±0.01 dB
Side Mode Suppression Ratio (SMSR)	typ. 45 dB (new)	typ. 50 dB (new)
Polarization Extinction Ration (PER)	typ. > 20 dB (new)	typ. > 20 dB (new)
Dimensions (H x W x D)	75 mm H x 32 mm W x 335 mm D (2.8" x 1.3" x 13.2")	75 mm H x 32 mm W x 335 mm D (2.8" x 1.3" x 13.2")
Weight	0.5kg	0.5kg
Recalibration Period	1 year	1 year
Operating Temperature	15°C to 35 °C	15°C to 35 °C
Warm-up time	60 min	60 min
Reference price	5000 USS	7000 USS

Solution/Action:

If DFB lasers are sent to the service center for calibration or repair update to firmware revision > 3.0. All DFB lasers keep new specification if firmware revision > 3.0 is installed. Test all DFB lasers against new specifications valid since 1st of February 2002. Testlimits in the automatic testsoftware WFM 2000 will be updated March 2002.