

# OML Millimeter Wave Extension Module Customer Order Information

(the following form must be completed and returned to facilitate a quotation) Rev. 7-2-02

Customer Company Name \_\_\_\_\_

Specifying Engineer Name \_\_\_\_\_

Please check one of the following equipment types, in each category, that is to be used in a system with OML modules. System and equipment definitions are given on the attachment "8510/OML Millimeter Wave System Options." Further information can be found in the Vector Analysis section on the OML web site: [www.omlinc.com](http://www.omlinc.com)

1) The system to be used with the OML modules is:

- \_\_\_\_\_ 8510B with Rev. 5.41 firmware or later
- \_\_\_\_\_ 8510C all firmware revisions
- \_\_\_\_\_ 8510XF user must load the Agilent supplied 8510C Operating System for waveguide operation
- \_\_\_\_\_ 8530A customer must consult with OML to determine system configuration required

2) The Millimeter Wave Controller or IF Interface Cable to be used with the OML modules is: [(xxx) system options]

- \_\_\_\_\_ 85105A Mod *customer modified* for LO 2-20 GHz, RF is 8-20 GHz, customer power supply required.
- \_\_\_\_\_ 85105A H01 LO is 2-20 GHz, RF is 8-20 GHz, customer power supply required.
- \_\_\_\_\_ 85105A H03 LO is 2-20 GHz, RF is 8-20 GHz, customer power supply required.
- \_\_\_\_\_ 85105A K10 LO is 2-20 GHz, RF is 8-28+ GHz, includes power supply for OML, not compatible with OML Option x2, requires use of a 40 GHz or higher synthesizer.
- \_\_\_\_\_ N/A 85105A (004) not compatible with OML modules.
- \_\_\_\_\_ 85105A (050) *customer modified* for LO 2-20 GHz, RF is 8-20 GHz, customer power supply required.
- \_\_\_\_\_ N/A 85105A (054) not compatible with OML modules.
- \_\_\_\_\_ 08510-60105 IF Interface Cable, measure S11 and S21 only, LO & RF freq. limited by synthesizers used.

3) The LO synthesizer to be used with the OML modules is: (OML LO frequency range limited to 8-20 GHz)

- \_\_\_\_\_ 83620A/B 20GHz
- \_\_\_\_\_ 83621A 20 GHz
- \_\_\_\_\_ 83622A/B 20 GHz
- \_\_\_\_\_ 83623A/B/L 20 GHz
- \_\_\_\_\_ 83624A/B 20 GHz
- \_\_\_\_\_ 83630A/B/L 26.5 GHz
- \_\_\_\_\_ 83631A 26.5 GHz
- \_\_\_\_\_ 83640A/B/L 40 GHz
- \_\_\_\_\_ 83650A/B/L 50 GHz
- \_\_\_\_\_ 8340A/B 26.5 GHz both synthesizers must be 834x series, customer understands the spur and switching problems and is responsible for additional filtering required.
- \_\_\_\_\_ 8341A/B 20 GHz both synthesizers must be 834x series, customer understands the spur and switching problems and is responsible for additional filtering required.

4) The RF synthesizer to be used with the OML modules is: (RF frequency utilized limited by the 85105A option)

- \_\_\_\_\_ 83620A/B 20 GHz all 85105A versions require OML Option X2 above WR-10
  - \_\_\_\_\_ 83621A 20 GHz all 85105A versions require OML Option X2 above WR-10
  - \_\_\_\_\_ 83622A/B 20 GHz all 85105A versions require OML Option X2 above WR-10
  - \_\_\_\_\_ 83623A/B/L 20 GHz all 85105A versions require OML Option X2 above WR-10
  - \_\_\_\_\_ 83624A/B 20 GHz all 85105A versions require OML Option X2 above WR-10
  - \_\_\_\_\_ 83630A/B/L 26.5 GHz most 85105A versions require OML Option X2 above WR-10 (WR-08 ok for K10)
  - \_\_\_\_\_ 83631A 26.5 GHz most 85105A versions require OML Option X2 above WR-10 (WR-08 ok for K10)
  - \_\_\_\_\_ 83640A/B/L 40 GHz can be used for all bands with 85105A-K10
  - \_\_\_\_\_ 83650A/B/L 50 GHz can be used for all bands with 85105A-K10
  - \_\_\_\_\_ 8340A/B 26.5 GHz all 85105A versions require OML Option X2 above WR-10 (WR-08 ok for K10)
  - \_\_\_\_\_ 8341A/B 20 GHz all 85105A versions require OML Option X2 above WR-10
- both synthesizers must be 834x series and customer understands the spur and switching problems and is responsible for additional filtering required.