

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

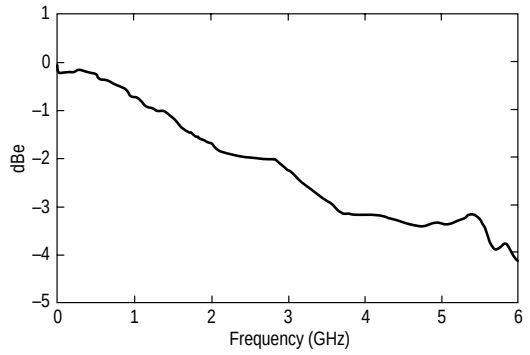
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

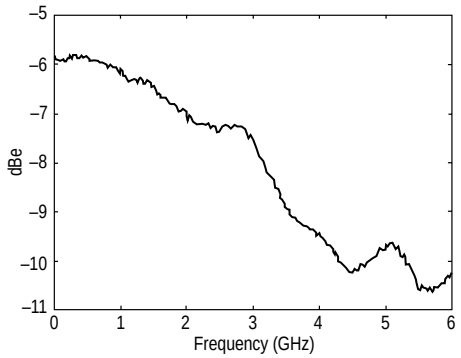
Find the *Keysight / Agilent 83400-60005* at our website: ***Click HERE***

Lightwave Source Performance Summary

Specifications and *Characteristics* (in italics)	Agilent 83402C	Agilent 83403C
Center wavelength[8,9]	1310 ±30 nm	1550 ±30 nm
Center wavelength stability[9]	*0.3% per year*	*0.3% per year*
Spectral Width[8,9]	*<50 MHz*	*<50 MHz*
Average optical output power[8,9]	2000–3000 µW	2000–3000 µW
Optical port return loss	*≥35.0 dBo*	*≥35.0 dBo*
Modulation range	300 kHz to 6 GHz	300 kHz to 6 GHz
RF input power (max)	*+11 dBm*	*+11 dBm*
DC into RF port (max)	20 V	20 V
Electrical port return loss[10]	≥11 dB	≥11 dB
Modulation frequency response (300 kHz to 6 GHz)[8]		
Corrected (disk) (specification)	±0.5 dBe	±0.5 dBe
Corrected (disk)	*±0.31 dBe*	*±0.31 dBe*
Corrected (polynomial)	*±1.5 dBe*	*±1.5 dBe*
Uncorrected	*±0.2/–4.8 dBe*	*+0.2/–4.8 dBe*
Responsivity at 140 MHz modulation frequency	*0.053 W/A (–25.5 dBe)*	*0.053 W/A (–25.5 dBe)*
Modulation (harmonic) distortion[11]		
300 kHz to 1 GHz	*25.0 dBc*	*25.0 dBc*
1 GHz to 3 GHz	*(footnote 12)*	*(footnote 12)*
1 GHz to 6 GHz	*8.0 dBc*	*8.0 dBc*
Third order intercept (min)[11]	*23 dBm*	*23 dBm*
1 dB modulation compression level at 50 MHz	—	—
Equivalent Input Noise		
0.01 to 5 GHz	*–124 dBm/Hz*	*–124 dBm/Hz*
5 to 6 GHz	*–119 dBm/Hz*	*–119 dBm/Hz*
Reflection Sensitivity (300 kHz to 6 GHz)[13]	*±0.04 dBe*	*±0.04 dBe*
Laser Type	DFB	DFB
Laser Class	FDA Class I and IEC Class IIIB	FDA Class I and IEC Class IIIB
Optical Fiber	9/125 µm	9/125 µm

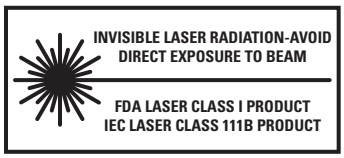


Agilent 83402C modulation frequency response (characteristic)



Agilent 83403C modulation frequency response (characteristic)

8 Factory test system
9 No intensity modulation applied.
10 Measured on 8703 from 130 MHz to 6 GHz.
11 Measured with +10 dBm RF input power 0.01 to 6 GHz.
12 Changes linearly from 25 dBc at 1 GHz to 8 dBc at 3 GHz.
13 To a Fresnel reflection using a 9:1 optical coupler, averaging factor = 16



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP