

# AQ2200 series Optical Return Loss Module

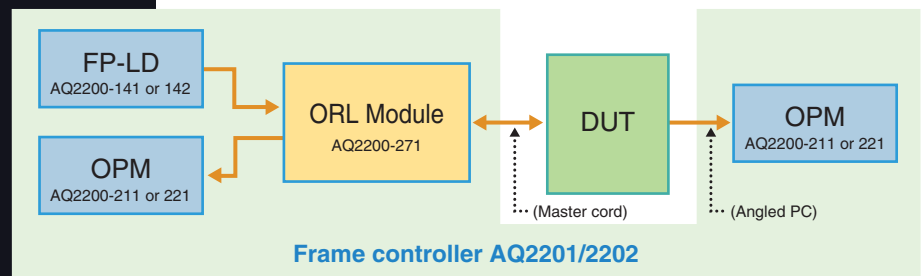
## AQ2200-271 ORL Module



### Display Example

ORL APPLICATION									Avg
1	2	3	4	5	6	7	8	9	Wave length
ORL 39.3 dB									
IL 1.77 dB									
Ref 14.7 dB									
Average 1 s									
Wavelength 1310.0 nm									
Modulation CW									More 3/3

### System Configuration



## Optical Return Loss (ORL) and Insertion Loss (IL) measurements of Optical Component

- Simultaneous measurement for both ORL and IL
- High dynamic range : 65 dB or more
- Measurement parameters can be preset (up to 9 sets)

### Specifications

System Configuration	Light Source	AQ2200-141 or 142	
	Sensor	AQ2200-211	AQ2200-221
Wavelength Range		1310 ±30 nm/1550 ±30 nm	
Measurement Dynamic Range		65 dB or more*1	55 dB or more*1
Relative Uncertainty	RL ≤ 50 dB	±0.3 dB*2	±0.7 dB*2
	RL ≤ 60 dB	±0.6 dB*2	—
Applicable Fiber		SMF	
Connector type (To Light Source)		FC/PC	
Connector type (To DUT)		SC/Angled PC	

\*1: 23 ±2°C, Fresnel reflection reference, using specified master cord, after calibration.

\*2: ±2 σ

### Ordering Information

Model	Suffix Code	Descriptions
735185	—	AQ2200-271 ORL Module
	-SA	Optical Fiber: SMF

### Option

- ORL Master cord

# AQ2200 series Variable Optical Attenuator

## AQ2200-311A ATTN Module

**A Small, lightweight variable optical attenuator providing low insertion loss**

- Compatible with SMF (10/125) or MMF (62.5/125)
- Low insertion loss: 1.0 dB (typ.)
- Monitor output (option): -13 dB (typ.)

### Specifications

Item	Product Specs	
Wavelength range	1200 to 1700 nm	800 to 1370 nm
Insertion loss	1.0 dB (typ.) 1.6 dB or less	
Maximum attenuation	60 dB	45 dB
Attenuation accuracy	±0.1 dB or less	
Repeatability	±0.01 dB or less	
Optical return loss	45 dB or more (PC connector)	20 dB or more (PC connector)
Polarization dependence	0.08 dBpp or less	---
Maximum input power	+23 dBm	
Shutter isolation	90 dB or more	
Applicable fiber	SMF (ITU-T G652)	MMF (62.5/125) (IEC 60793-2)
Optical connector	FC/PC or SC/PC	

### Ordering Information

Model	Suffix Code	Descriptions
735131	—	AQ2200-311A ATTN Module
	-SA	Optical Fiber: SMF
	-G6	Optical Fiber: MMF (62.5/125)
	-FCC	Optical Connector: FC/PC
	-SCC	Optical Connector: SC/PC
	/MON	Monitor Port

### Associated Products

**AQ2201 Frame controller**  
 Model: 810518900  
 Number of slot: 3  
 Display unit: Color LCD,  
 320×240 pixels  
 Interface: GP-IB, Ethernet, USB



**AQ2202 Frame controller**  
 Model: 810518920  
 Number of slot: 9  
 Display unit: Color LCD,  
 320×240 pixels  
 Interface: GP-IB, Ethernet, USB



#### Note



Pursuant to the Foreign Exchange and Foreign Trade Control Law, Japanese government approval may be required to export this product from Japan.  
 The information presented in this bulletin is subject to change without notice due to performance and quality improvements.