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Find the *Anritsu MN9672A* at our website: ***Click HERE***

OPTICAL CHANNEL SELECTOR
MN9662A/9664A/9672A/9674A

1.2 to 1.65 µm

CE GPIB

For Automatic Switching of Optical Paths



The optical channel selector is a switching device used for outputting the light that is inputted to the common channels to any channel. The above devices are equipped with eight (for MN9662A/9672A) and sixteen (for MN9664A/9674A) channels, making them ideal for the evaluation of devices for WDM and various optical transmission devices*.
They possess excellent switching repeatability of 0.003 dB (typical value) and low polarization dependent loss of 0.03 dBp-p (MN9662A/9664A). Cleanable and replaceable optical adapters (FC, SC, ST, DIN and HMS-10/A) are also available as applications. Moreover, in addition to the control by the MT9810B Optical Test Set, GPIB and RS-232C interfaces are provided as standards, allowing the above devices to be used as components of an automatic measurement system.

*: Please contact us for 1 x 24, 2 x 24, 1 x 32 and 2 x 32 optical channel selectors

Features

- Low polarization-dependent Loss (0.03 dBp-p: MN9662A/9664A)
- Cleanable and replaceable optical adapters (FC, SC, ST, DIN, HMS-10/A)

Specifications

Typical values are given for reference only to assist in the use of these instruments, and are not guaranteed specifications.

Model		MN9662A	MN9664A	MN9672A	MN9674A
Number of channels		1 x 8	1 x 16	2 x 8	2 x 16
Wavelength		1.2 to 1.65 µm			
Applicable optical fiber		SM (ITU-T G.652)			
Insertion loss*1, *2		≤1.6 dB (1.1 dB typ.)		≤2.5 dB (2.0 dB typ.)	
Return loss*3		≥45 dB (PC connector)			
Polarization dependent loss*1		≤0.03 dBp-p (0.015 dBp-p typ.)*4		≤0.05 dBp-p (0.025 dBp-p typ.)*5	
Crosstalk		≤–80 dB			
Switching repeatability*6		≤0.02 dBp-p (0.003 dBp-p typ.)			
Switching time	Min.*7	≤600 ms			
	Max.	≤800 ms*8	≤1100 ms*9	≤800 ms*8	≤1100 ms*9
Switching life		≥1 x 10^7 times			
Max. input level		+23 dBm (200 mW)			
I/O optical connector		FC, SC, ST, DIN, HMS-10/A (all PC type)			
Temperature range		Operating: 0˚ to 50 ˚C, Storage: –30˚ to +71 ˚C			
Remote control		GPIB, RS-232C (D-sub 9-pin), control by MT9810B			
Power		85 to 132/170 to 250 Vac, ≤35 VA, 47.5 to 63 Hz			
Dimensions and mass		213 (W) x 88 (H) x 351 (D) mm, ≤4.5 kg			
EMC		EN61326: 1997/A2: 2001 (Class A), EN61000-3-2: 2000 (Class A), EN61326: 1997/A2: 2001 (Annex A)			
LVD		EN61010-1: 2001 (Pollution Degree 2)			

∗1: Specifications measured using master optical fiber cable
∗2: Including connector loss at 2 points at 1.31 and 1.55 µm
∗3: Loss depends on connected connector, using PC connector at ≥50 dB return loss at 1.31 and 1.55 µm
∗4: At constant temperature in operating temperature range at 1.31 and 1.55 µm
∗5: At constant temperature in operating temperature range at 1.55 µm
∗6: At constant temperature in operating temperature range and constant polarization condition
∗7: Between channel 1 and channel 2
∗8: Between channel 7 and channel 8
∗9: Between channel 15 and channel 16
Note: Please contact us for 1 x 24, 2 x 24, 1 x 32 and 2 x 32 optical channel selectors.

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Ordering information

Please specify model/order number, name, and quantity when ordering.

Model/Order No.	Name	
	Main frame	
MN9662A	Optical Channel Selector (1 x 8 channels)	
MN9672A	Optical Channel Selector (2 x 8 channels)	
MN9664A	Optical Channel Selector (1 x 16 channels)	
MN9674A	Optical Channel Selector (2 x 16 channels)	
	Standard accessories	
	Power cord:	1 pc
F0008	Fuse, 1 A (for 100/200 V mains):	2 pcs
Z0397A	FC adapter caps*1	
B0329L	Front cover:	1 pc
W1489AE	MN9662A/9672A/9664A/9674A operation manual:	1 copy
	Options	
MN9662A/9664A-37	FC connector (with FC adapter cap)*2	
MN9672A/9674A-37	FC connector (with FC adapter cap)*2	
MN9662A/9664A-38	ST connector (with ST adapter cap)*2	
MN9672A/9674A-38	ST connector (with ST adapter cap)*2	
MN9662A/9664A-39	DIN connector (with DIN adapter cap)*2	
MN9672A/9674A-39	DIN connector (with DIN adapter cap)*2	
MN9662A/9664A-40	SC connector (with SC adapter cap)*2	
MN9672A/9674A-40	SC connector (with SC adapter cap)*2	
MN9662A/9664A-43	HMS-10/A connector (with HMS-10/A adapter cap)*2	
MN9672A/9674A-43	HMS-10/A connector (with HMS-10/A adapter cap)*2	
	Application parts	
J0617B	Replaceable optical adapter (FC-PC)	
J0618D	Replaceable optical adapter (ST)	
J0618E	Replaceable optical adapter (DIN)	
J0618F	Replaceable optical adapter (HMS-10/A)	
J0619B	Replaceable optical adapter (SC)	
Z0397A	FC adapter cap	
Z0411A	ST adapter cap	
Z0412A	DIN adapter cap	
Z0413A	SC adapter cap	
Z0414A	HMS-10/A adapter cap	
J0635B	Optical fiber cord (FC-PC connector), 2 m	
J0006	GPIB cable, 0.5 m	
J0007	GPIB cable, 1 m	
J0008	GPIB cable, 2 m	
J0009	GPIB cable, 4 m	
J0654A	Serial interface cross cable (for IBM-PC/AT, J-310)	
J0655A	Serial interface cross cable (for PC-98)	
J0897B	MT9810B connection cable, 1 m	
J0897C	MT9810B connection cable, 2 m	
J0897D	MT9810B connection cable, 5 m	
J0897E	MT9810B connection cable, 10 m	
Z0282	Ferrule cleaner (Cletop A-type)	
Z0283	Ferrule cleaning tape (6 pcs/set)	
Z0284	Adapter cleaner (stick type, 200 pcs/set)	
B0390G	Rack mount for 1 set	
B0390H	Rack mount for 2 sets	

*1: Number differs according to model
MN9662A: 9 pcs; MN9672A: 10 pcs; MN9664A: 17 pcs; MN9674A: 18 pcs
*2: Standard connector for specified option. If not specified, FC connector (Option 37) supplied as standard.

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