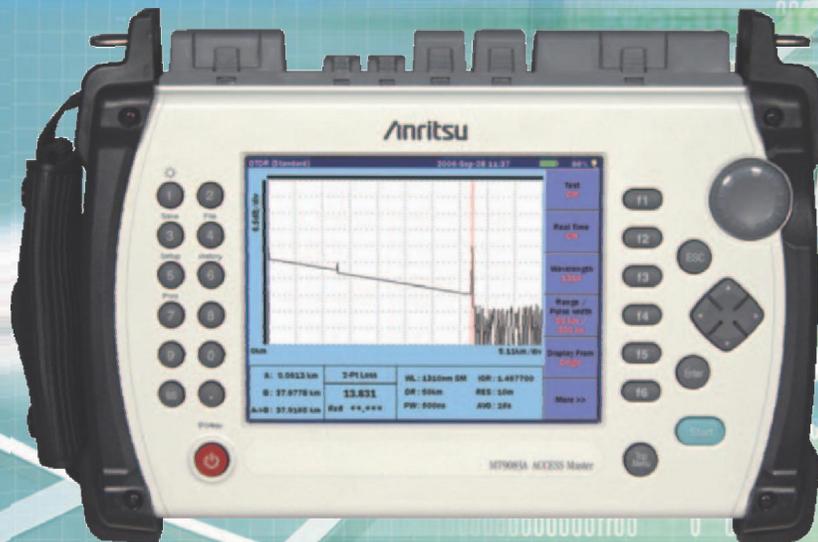


MT9083A

ACCESS Master™

850/1300 nm OTDR for MMF

780/1310/1383/1490/1550/1625/1650 nm OTDR for SMF

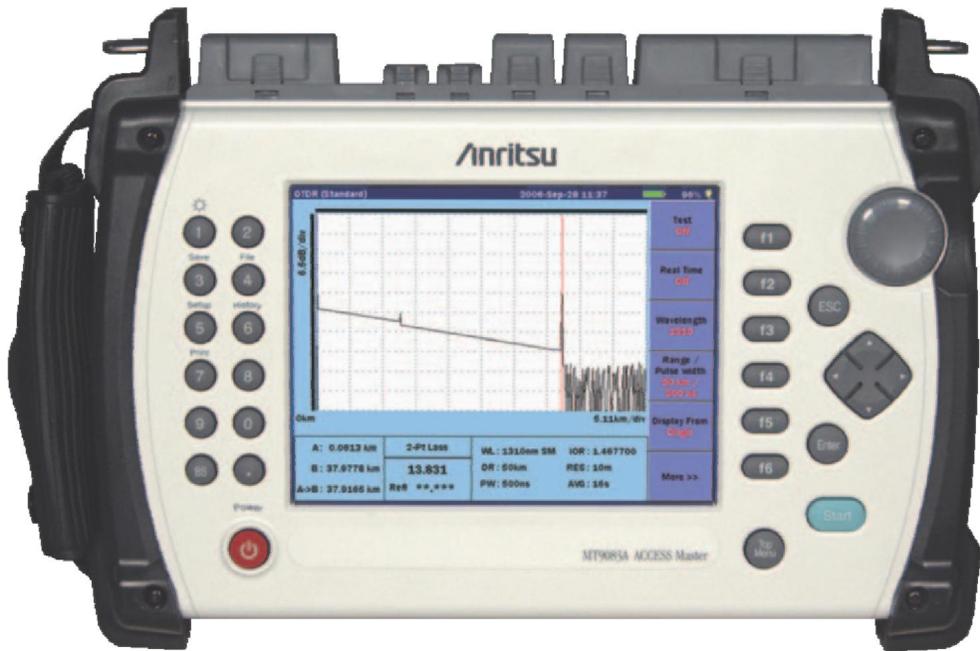


OTDR (Standard)		2008 Sep 18 11:37		Test	
6.8dB/km		13.831		Wavelength	
A: 0.0633 km		3-PL LMS		Range	
B: 37.8778 km		HL: 1320m SM		Range width	
A+B: 37.9411 km		DR: 60km		Loss	
Ref: +,+,+,+		PW: 500ns		Display From	
		SR: 1.467700		Start	
		RES: 10m		Stop	
		AVG: 200		Menu >>	

850/1300 nm
780/1310/1383/1490/1550/1625/1650 nm

MMF

SMF



MT9083A ACCESS MASTER

LAN. , FTTx, CATV

(QoS) , FTTx.

FTTx (MM). (SM), LAN

MT9083A ACCESS Master Anritsu,

MT9083A Anritsu

15 8

IP , 4 - ,



Anritsu

50

NetTest,

Anritsu

MT9083A

15

MT9083A.

MT9083A

8

. MT9083A

MT9083A
20
ACCESS Master,

“drop”

“drag and

MT9083A

USB,

MT9083A

«drag and drop» (

Windows),

()

, MT9083A
Flash.

OTDR

MT9083A

MT9083A,
Telcordia SR-4731 (

2),
Anritsu NetTest,

(MT9083A-010)

USB

1,000

Flash 30,000

Anritsu,





, MT9083A



MT9083A

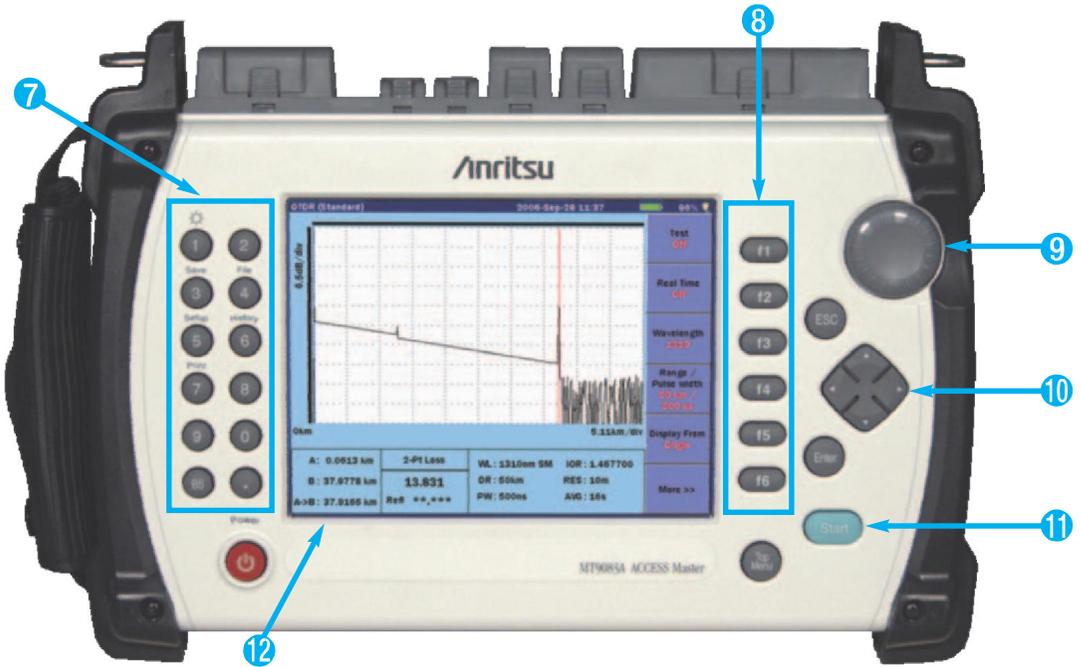
28.4 c

x20 c

x7.7 c

(QoS)
2.2

IP,



1 8

2 +30 dBm

3 /

4 4

5 USB

6 IP (QoS)

7

8

9

10

11 START

12 , 6.4 , TFT-LCD

10/100/1000 MB



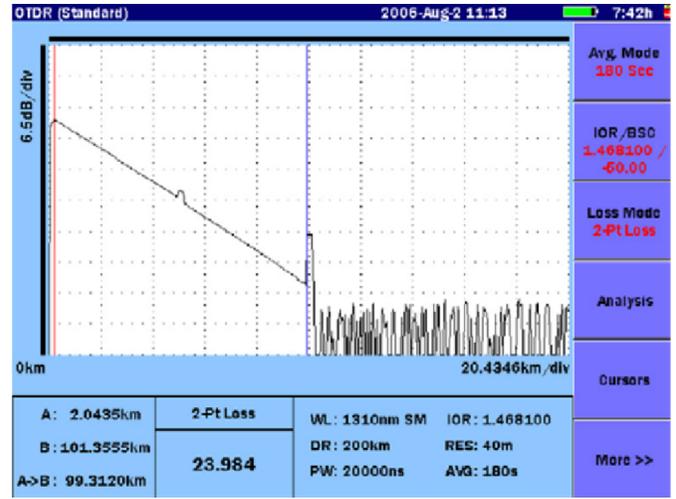
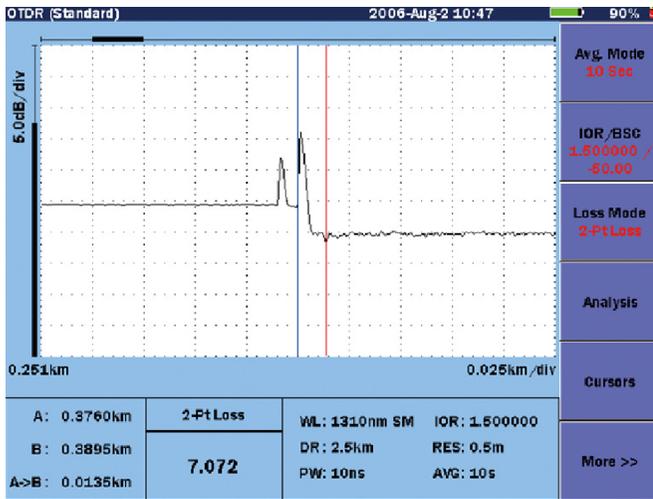
OTDR

100
 ACCESS Master,
 5 1 (80 c)
 MT9083A
 - FTTx

100+ km

Anritsu

MT9083A
 38.5dB,
 100+



1: MT9083A

2: MT9083A
 100



MT9083A

“ / ”

9

ACCESS Master MT9083A

4

1310 1550 nm,
 MT9083A

9

MT9083A

Anritsu

: 1383 nm
 CWDM, 1650 nm (c

, 1490 nm

IP,
 FTTx – 780 nm



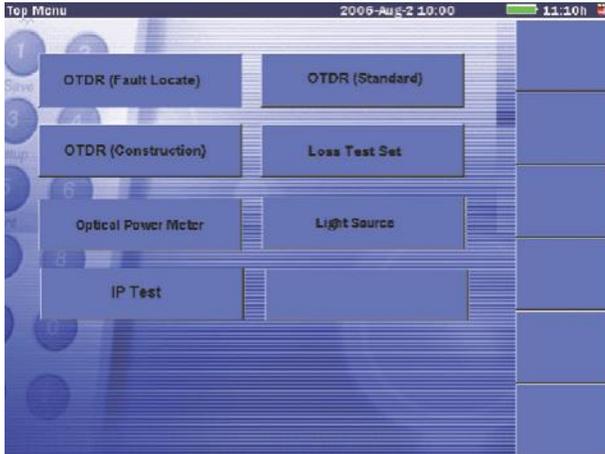
MT9083A,

IP.

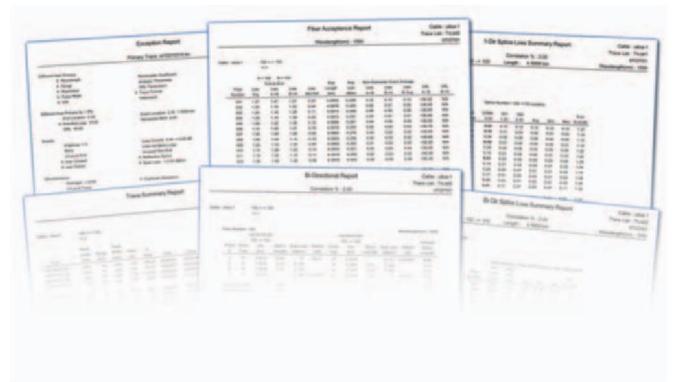
MT9083A

NETWORKS PC

NetWorks PC



.3:



.4:

FAULT LOCATE -

START.

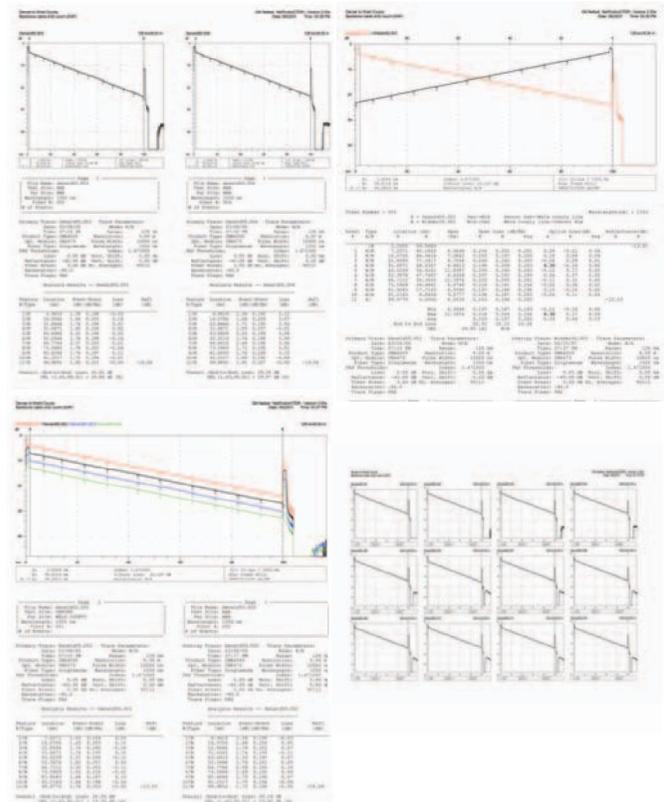
OTDR

STANDARD OTDR,

CONSTRUCTION,

“construction”

ACCESS Master MT9083,



.5:



MT9083A,

MT9083A

Anritsu.

(QoS)

IP
FTTx,



+30 dBm

270 Hz, 1kHz 2kHz

(MT9083A-003),

.(SM)

;(M)

(-004, -005).

.(SM)

+20 dBm (CATV)

(005)

+30 dBm.

5



FTTx,

MT9083A

(QoS),

IP,

Ping

IP

PPPOE,

DHCP.

MT9083A,

MT9083A

FTTx

FTTx

Gigabit Ethernet

MT9083A

1000Base-T,

Gigabit Ethernet,

Gigabit Ethernet.

, MT9083A



MT9083A ACCESS Master

		: 270 x 165 x 61
		: 2.2
	(010)	: 284 x 200 x 77
		: 2.9
	6.5 TFT-LCD (640x480,)
	USB 1.1, A x1 (), Bx1 (Flash).	
	: 20 MB (~1000 (USB-Flash): ~30,000	512 MB
	12 VDC, 100 240 VAC,	: 90 264 V, 50/60 Hz
	: Lithium ion *1: 8	
	: <5 ()	
	: /1-99	
	: /1-99	
	0.05, 0.125, 0.25, 0.5, 1.25, 2.5, 5, 6.5 dB/div	
IOR*6	1.000000 - 1.999999 (0.000001)	
	(Aritsu)	
- *2	: 5001,	: 20001 25001
*3	5 cm ()	
	: ±2 dB,	: ±4 dB
	±1 m ±3 x x 10 ⁻⁵ ± (IOR)	
	: 0.5, 1, 2.5, 5, 10, 25, 50, 100, 200 (780 nm: 0.5, 1, 2.5)	
	: 0.5, 1, 2.5, 5, 10, 25, 50, 100	
	: ():	(CW, 270 Hz, 1 kHz, 2 kHz)
	():	
	(PASS/FAIL- /):	
-	: 0.01 9.99 dB (0.01 dB)	
-	: 20.0 60.0 dB (0.1 dB)	
- /	: 1 99 dB (1 dB)	
	: 99	
OTDR	Telcordia universal. SOR,	2 (SR-4731)
	*5: 0.15	
	: 2 , dB/km, 2 LSA,	, ORL
	: (1- 3600)	
	:	
	: 0 +40C, <80% ()	
	: -20 +60C, <80% ()	
	: MIL-T-28800E Class 3	
	: MIL-T-28800E Class 2	
	: IP51 (IEC 60529), JIS C 0920 TYPE I	
EMC	EN61326:1997+A1:1998+A2 : 2001+A3:2003 (Class A, Annex A), EN61000-3-2:2000(Class A)	
LVD	EN61010-1:2001 (2)	

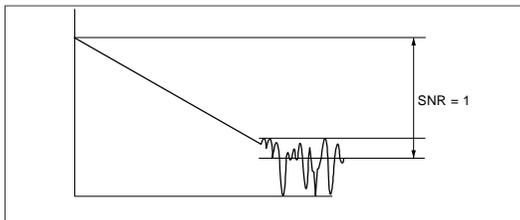
- 1 : , 25°C, 6
- 2 : -
- 3 : 780 nm
- 4 :
- 5 : 062, 068 -1
- 6 : IOR -

	*6			*7,8	() *9	() *10
050	1310 ±30 nm	(SMF) 10/125 μm ITU-T G.652	3, 10, 20, 50, 100, 200, 500, 1000, 2000, 4000, 10000, 20000ns	38.5dB	1 m (80 cm)	5 m
051	1550 ±30 nm			37dB		5.5 m
052	1650 ±5 nm			33.5dB		6.5 m
053	1310/1550 ±30 nm			38/36.5dB		5/5.5 m
054	1550 ±30/1650 ±5 nm			36/33.5dB		5.5/6.5 m
055	1310/1550 ±30 nm, 1650 ±5 nm			37.5/36/33.5dB		5/5.5/6 m
056	1310/1490/1550 ±30 nm			36/34.5/34.5dB		6/6.5/6.5 m
057	1310/1550/1625 ±30 nm			36/34.5/31.5dB		6/6.5/7.5 m
058	1310/1490/1550/1625 ±30 nm			34/32.5/32.5/29.5dB		7/7.5/7.5/8.5 m
059	1310/1550/1625 ±30 nm, 1383 ±2 nm			34/32.5/29.5/33 dB		7/7.5/8.5/7.5 m
060	1490 ±30 nm			36.5 dB		5.5 m
061	1625 ±30 nm			33.5 dB		6.5 m
062	780 ±20 nm			8 dB (10 ns)		1 m
068	780 ±20/1550 ±30 nm	1550 nm 780 nm: 5, 10 ns	8/36.5 dB	1 m 1550 nm: (80 cm)	7/5.5 m	
063	1310/1550 ±30 nm, 850/1300 ±30 nm	(SMF/MMF)	Same as SMF & MMF	38/36.5 dB, 28/27 dB	1 m (80 cm)	5/5.5 m, 4/5 m (3/4 m)
064	850/1300 ±30 nm	(MMF) 62.5/125 μm	3, 10, 20, 50, 100, 200, 500, 1000, 2000, 4000 ns 850 nm: 1000, 2000, 4000ns	28/27 dB	1 m (80 cm)	4/5 m (3/4 m)
065	850 ±30 nm			28 dB		4 m (3 m)
*11	IEC Pub 60825-1:2001 Class1: 051,052,060,062 IEC Pub 60825-1:2001 Class1 M: 050, 053, 055, 056, 057, 058, 059, 063, 064, 065 21 CFR1040.10 Laser Notice N.50 (27 2001)					

*6: 25°C, : 1 μs (850, 1300, 780 nm), 850/ 1300 nm:
100ns, 780 nm: 10ns

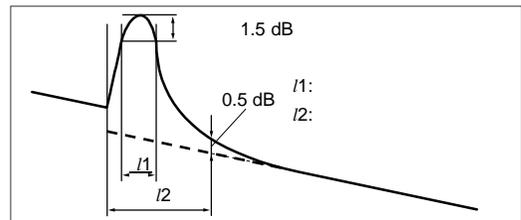
*7: : 20 μs (.050 to 061, 063, 068 1310/ 1550 nm)
: 100 km
: 4 μs (.063, 064 1300 nm) : 25 km
: 100 ns (.063, 065 850 nm) : 25 km
: 10 ns (.062, 068 780 nm) : 2.5 km
: 180 , SNR=1, 25°C

*8: SNR = 1: (RMS),



*9: : 3 ns (.050 to 061, 063, 064, 065, 068 1550 nm)
: 5 ns (.062, 068, 780 nm)
: 40 dB, 25°C (.)

*10: 10 ns, 55 dB, ±0.5dB,
25°C (850/1300/780 nm)
0 ns, 40 dB, ±0.5 dB,
25°C (850/1300/780 nm)



*11: IEC 60825-1 FDA (21CFR1040.10, USA) Class 2;
(Class 1M
FDA

IEC 60825-1 2001
CLASS 1 LASER PRODUCT

IEC 60825-1 2001
VISIBLE LASER RADIATION
DO NOT VIEW DIRECTLY WITH
OPTICAL INSTRUMENTS
(MAX OUTPUT POWER)(CLASS DURATION)(WAVELENGTH)
4mW CW 850nm
150mW ≤500ns 850nm
150mW ≤500ns 1300 to 1400nm
CLASS 1M LASER PRODUCT

THIS PRODUCT COMPLIES WITH 21 CFR 1040.10
AND 1040.11 EXCEPT FOR DEVIATIONS PURSUANT
TO LASER NOTICE NO 50 DATED JULY 26 2001

		-		*12
(OTDR)		(TDR)		*13
*14	OTDR			+10 dBm
*15	5 nm (1310 nm) 10 nm (1490/1550/1625 nm), 3 nm (1650 nm), 1 nm (1383 nm)			-50 -5 dBm
	OTDR			OTDR
	OTDR			OTDR
*15	-5 ±1.5 dBm	*18	±6.5%	
*16	±0.1 dB	1310, 1550, 1625 nm plus * 1490 nm (056, 058, 060) * 1383 nm (059) * 1650 nm (050, 051, 053, 054, 055, 057, 061)		
*17	CW, 270 Hz, 1 kHz, 2 kHz			
	OTDR			

				-		*13
(003, 004 005)						
				(003, 004, 005)*12		
	MT9083A-003	MT9083A-004	MT9083A-005			
	: 10/125 µm (G.652), : 62.5/125 µm	:10/125 µm (G.652) *PC only for UPC connector, angled only for APC connector*	: 10/125 µm (G.652)			
*19	+3 -70 dBm	+23 -50 dBm	+30 -43 dBm			
	750 1700 nm	1200 1700 nm				
	850, 1300, 1310, 1383, 1490, 1550, 1625, 1650 nm	1310, 1383, 1490, 1550, 1625, 1650 nm				
	MA9005A	JXXXX (OTDR)	MA9005A			
*20	±5%					
	CW, 270 Hz, 1 kHz, 2 kHz					
	Store reference,					

		(002)	
	650 nm ±15 nm (at 25°C)		
	0 ±3, dBm (CW)		
	10/125 µm, SMF (ITU-T G.652)		
	2.5 mm		
*21	IEC Pub 60825-1 Class 3R, 21 CFR1040.10 (27 2001)		Laser Notice N.50
	OTDR		

*12: ()
 *13: 003, 004, 005, IEC 60825-1 FDA (21CFR1040.10, USA) Class 2; Class 1M
 () FDA
 *14: 059:1383 ±20 m
 *15: CW, 25°C
 *16: CW, 0° to 40°C (±1°C) max/min. 1
 (SM) 2 m
 *17: +1.5% 10
 *18: CW, -20 dBm 1550 nm, 23°C ±2 FC
 3 dB
 *19:
 *20: CW, 003: At -10 dBm 1310/ 1550 nm,
 At -10 dBm 850 nm 25°C
 004/005: At 0dBm 1310 and 1550 nm
 FC



THIS PRODUCT COMPLIES WITH 21 CFR 1040.10 AND 1040.11 EXCEPT FOR DEVIATIONS PURSUANT TO LASER NOTICE NO. 50 DATED JULY 26 2001

LS: MT9083A

, OPM: MT9083A

		LS	OPM
MT9083A-050	1310 nm SM		
MT9083A-051	1550 nm SM		
MT9083A-052	1650 nm SM		
MT9083A-053	1310/1550 nm SM		
MT9083A-054	1550 nm SM		
	1650 nm SM		
MT9083A-055	1310/1550 nm SM		
	1650 nm SM		
MT9083A-056	1310/1490/1550 nm SM		
MT9083A-057	1310/1550/1625 nm SM		
MT9083A-058	1310/1490/1550/1625 nm SM		
MT9083A-059	1310/1550/1625/1383 nm SM		

		LS	OPM
MT9083A-060	1490nm SM		
MT9083A-061	1625nm SM		
MT9083A-062	780nm SM	—	—
MT9083A-063	850/1300nm MMF		
	1310/1550nm SM		
MT9083A-064	850/1300nm MMF		—
MT9083A-065	850nm GI		—
MT9083A-068	780nm SM	—	—
	1550nm SM		

	Lithium Ion
	11.1 V, 4200 mAh
	53 (W) x 19 (H) x 215 (D) mm, 360 g typ.
	: +5 +30°C
	: -20 +60°C
	: -20 +50°C, 90%RH

AC: Z0933A

AC	100 to 240 Vac, 50/ 60 Hz
DC	12 Vdc, 3 A
	60 (W) x 34 (H) x 122 (D) mm, 305 g typ
	0 +40°C, 20 80% R.H.
	:
	-20 +80°C, 10 95% R.H.



1)

ACCESS Master, AC

(1),
063),

M /			
MT9083-050	1310 nm,		
MT9083-051	1550 nm, single mode		
MT9083-052	1650 nm, single mode	-	(1650 nm)
MT9083-053	1310/1550 nm, single mode		
MT9083-054	1550 nm & 1650 nm, SM		
MT9083-055	1310/1550 nm & 1650 nm, SM	-	(1650 nm)
MT9083-056	1310/1490/1550 nm, SM	+	1490 nm FTTx/PON
MT9083-057	1310/1550/1625 nm, SM		1 625 nm
MT9083-058	1310/1490/1550/1625 nm, SM		
MT9083-059	1310/1383/1550/1625 nm, SM		1383 nm
MT9083-060	1490 nm, single mode		FTTx/PON
MT9083-061	1625 nm, SMsingle mode		
MT9083-062	780 nm, single mode	« »	FTTx/PON
MT9083-068	780 &1550 nm, single mode	« »	FTTx/PON
MT9083-063	850/1300 nm (multimode) 1310/1550 nm (single mode)		
MT9083-064	850/1300 nm, multimode		
MT9083-065	850 nm, multimode		

2)

(2 054, 055, 063).			
/		/	
MT9083A-025	FC-APC	MT9083A-038	ST
MT9083A-026	SC-APC	MT9083A-039	DIN
MT9083A-033	LC	MT9083A-040	SC
MT9083A-037	FC	MT9083A-043	HMS-10/A

3)

/	
MT9083A-003	SMF/MMF
MT9083A-004	SMF
MT9083A-005	SMF
/	
MT9083A-002	

4)

/	
MT9083A-001	IP
MT9083A-011	1Gb Ethernet (MT9083A -001)

4a) (-003, -004 -005)

		(OPM)	
		FC-APC SC-APC	OPM. OPM.
/		/	
MT9083A-033	LC	MT9083A-039	DIN
MT9083A-037	FC	MT9083A-040	SC
MT9083A-038	ST	MT9083A-043	HMS-10/A

5)

/	
MT9083A-010	(,)



6)

W2839AE	MT9083A,		
B0582A			
B0583A	MT9083A (« »)		
B0549	MT9083A,		
Z0921A	MT9083A		
J1295			
Z0933A	AC		
Z0942A	MT9083A		
NETWORKS			
MT9083A-ES210	12	(2)	
MT9083A-ES310	24	(3)	
BL-80R2	(BL-100W AC , J1314		BL-80-30)
BL-100W	AC	BL-80R2	
J1314		BL-80R2	
BL-80-30	BL-80R2 (10 /)		
MT9083A-110	()		
MT9083A-103	SMF/MMF	()	
MT9083A-104	SMF	()	
MT9083A-105	SMF	()	
MT9083A-102	()		
MT9083A-101	IP ()		
MT9083A-111	1Gb Ethernet (-	MT9083A-001 MT9083A-101)
	/ /	(MT9083A-004)	(MT9083A-003) (MT9083A-005)
LC	J1270		MA9005A-33 MA9005B-33
FC	J0617B		MA9005A-37 MA9005B-37
Angled FC (AFC)	J0739A		N/A N/A
ST	J0618D		MA9005A-38 MA9005B-38
DIN	J0618E		MA9005A-39 MA9005B-39
HMS-10A	J0618F		MA9005A-43 MA9005B-43
SC	J0619B		MA9005A-40 MA9005B-40



(B0582A)



(B0583A)



(B0549)