

Data Sheet(Optic analog Module Series)

ITOM-B0380-0870-DND22 / RRD22

Electrical Specification

Parameters		Unit	Min	Max	Remark
Optical output power		dBm	-3	1	Donor
		dBm	3	7	Remote
Wave length		nm	1300	1320	Donor
		nm	1500	1520	Remote
RF Gain		dB	-2	2	
Frequency		MHz	380	870	
Flatness		dB(p-p)		2	
VSWR				1.5	S11/S22
IP3 (0dBm / Tone)		dBc	25		
Output noise floor		dBm/Hz		-130	
Directivity		dBc	60		
Alarm	LD (Donor)	dBm	-10		Normal : High Open Collector
	LD (Remote)	dBm	-5		
	PD	dB0	-15		
Current	Donor : 12V	mA		1000	
	Remote : 12V	mA		500	
Gain Variation		dB	-5	-3	
Operating Temperature		-20℃ ~ +60℃			
Optic Connector		FC/APC			
RF Connector		SMA Female			

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Pin Map

1. Donor

D-sub 9Pin Configurations				
1	GND	6	PD1 Alarm	Open Collector (Normal High)
2	VCC (10.8V ~ 15V)	7	PD2 Alarm	
3	RS 232C TX_DATA	8	PD3 Alarm	
4	RS 232C RX_DATA	9	PD4 Alarm	
5	LD Alarm			

2. Remote

D-sub 9Pin Configurations				
1	NC	6	LD MONITER	Open Collector (Normal High)
2	GND	7	LD Alarm	
3	VCC (10.8V ~ 15V)	8	PD MONITER	
4	RS 232C TX_DATA	9	PD Alarm	
5	RS 232C RX_DATA			

- Alarm Type : Open Collector , Normal : High, Alarm : Low
- Description LED : PD Alarm, LD Alarm, Power Alarm, Temperature Alarm (Optional)

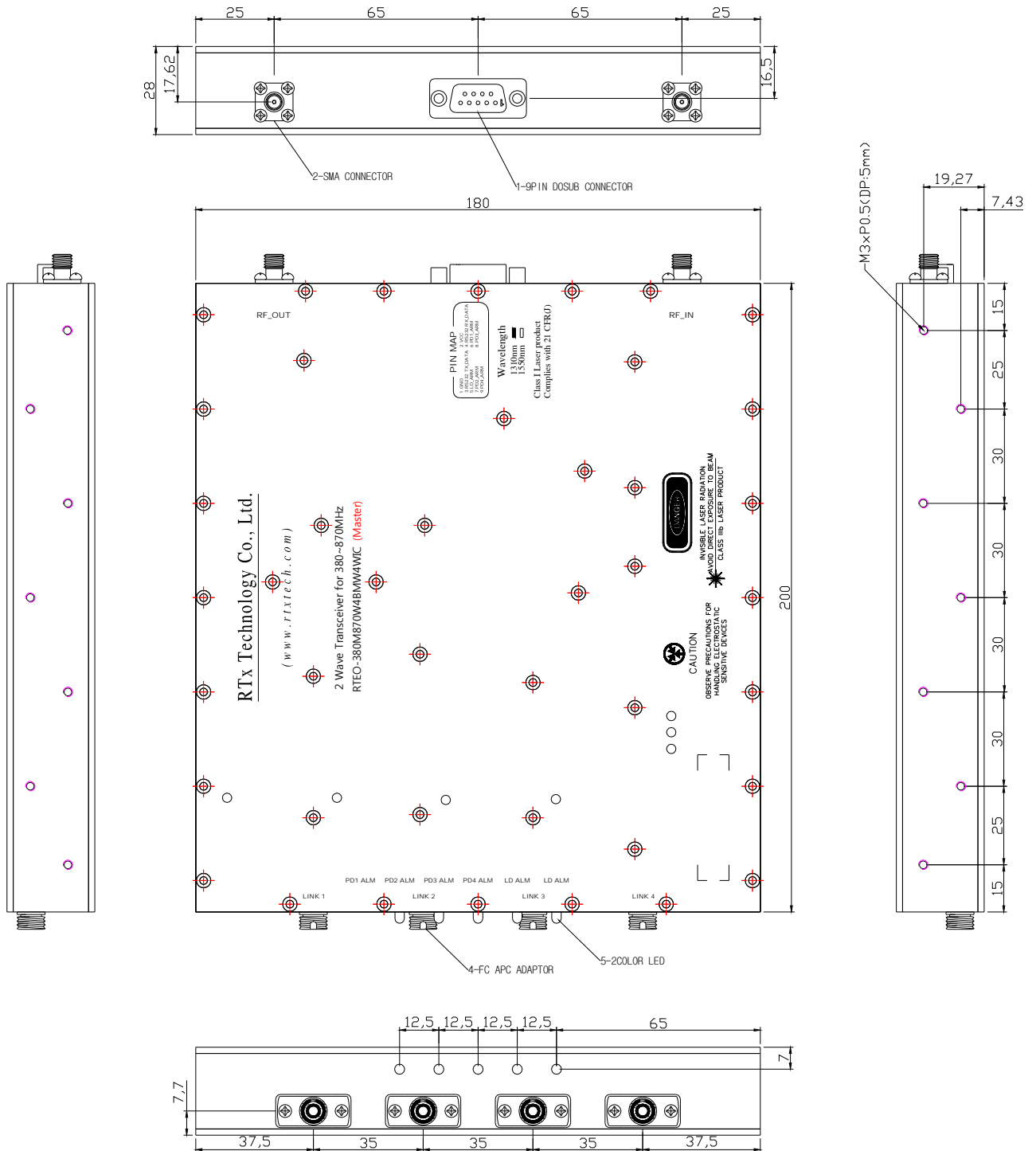
Absolute Maximum Ratings

Absolute Maximum Rating			
Parameter	Symbol	Rating	Unit
Optical Input Power		7	dBm
RF Input Power		10	dBm
DC Supply Volts		15	V
Operating Temperature		-20 ~ +60	°C

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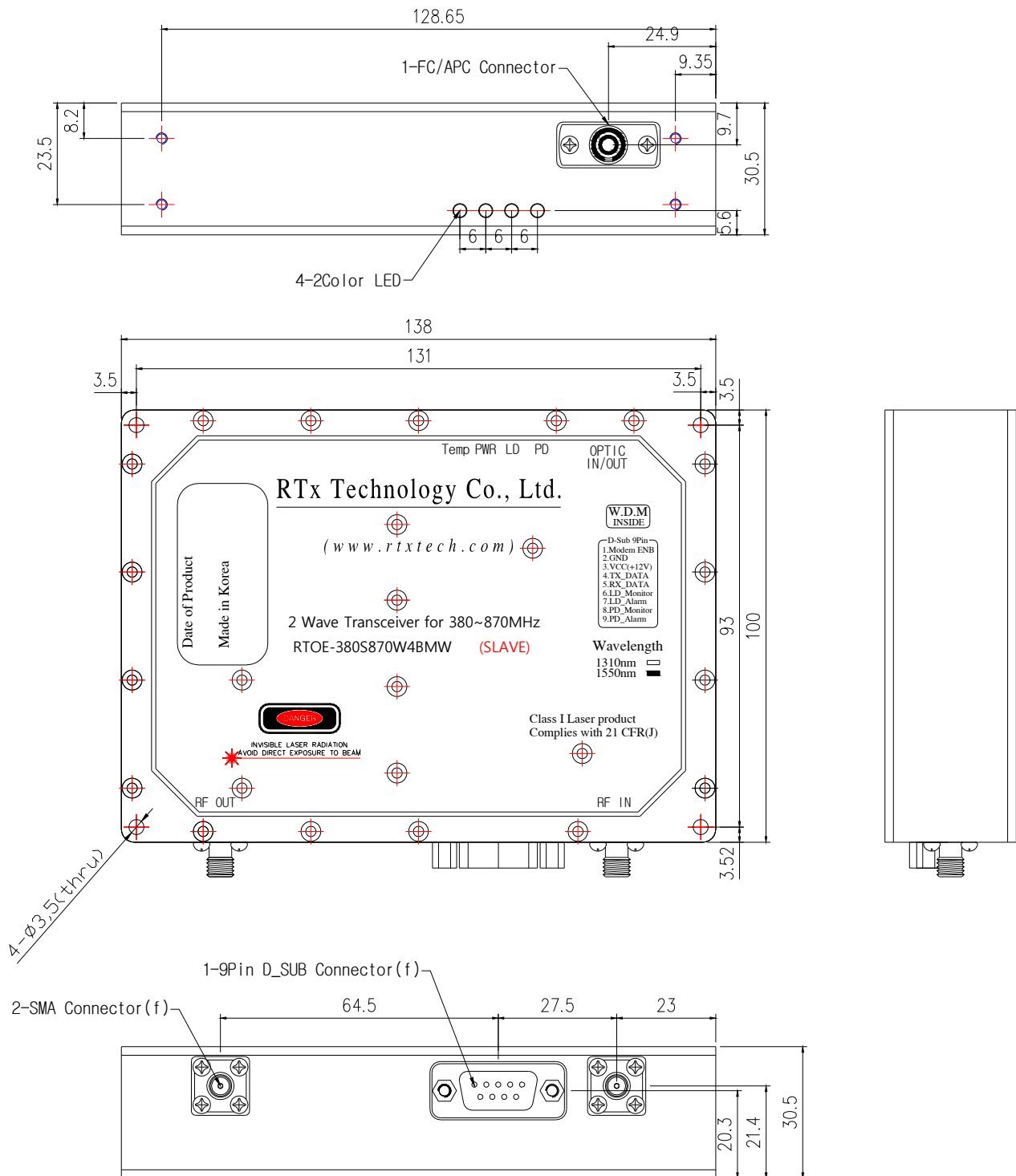
Mechanical Specification

1. Donor



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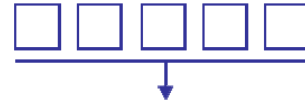
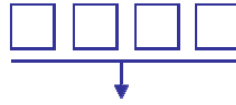
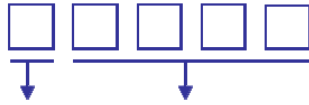
2. Remote



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Ordering Information

ITOM



Model	Start Frequency
S - Single band	0001 - 1MHz
M - Multiband	0002 - 2MHz
B - Broadband	.
T - CATV	.
C - Customized	3000 - 3000MHz

End Frequency
0001 - 1MHz
0002 - 2MHz
.
.
3000 - 3000MHz

Type	LD Type	Optic Connector	Wave length
DN - Donor	F - FP	1 - FC/UPC	1 - 1Wave
RR - Remote	D - DFP	2 - FC/APC	2 - 2Wave
TR - Transmitter		3 - SC/UPC	3 - 3Wave
RE - Receiver		4 - SC/APC	4 - 4Wave
R1 - Remote1		5 - LC/UPC	C - Customized
R2 - Remote2		6 - LC/APC	
R3 - Remote3		C - Customized	

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