

Data Sheet(Optic analog Module Series)

ITOM-B0050-2200-DND22 / RRD22

Electrical Specification

Parameters		Unit	Min	Max	Remark
Optical output power		dBm	2	6	
Wave length		nm	1300	1320	Donor
		nm	1540	1560	Remote
Frequency		MHz	50	2200	
RF Gain		dB	-3	3	
Flatness		dB(p-p)		4	
VSWR				1.5	S11/S22
IP3		dBc	25	28	WCDMA 4FA (TM1 DPCH64)
Output noise floor		dBm/Hz	-127	-130	@800MHz
Directivity		dBc	60		
Alarm	LD	dBm	-3		Normal : High(+5V) TTL
	PD	dBo	-15		
Current	12V	mA		500	
Operating Temperature		-20℃ ~ +60℃			
Gain Variation		dB(p-p)		3	
Optic Connector		FC/APC			
RF Connector		SMA (female)			

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Pin Map

1. Donor

D-SUB 9Pin Connector Configurations			
1	Modem Enable(GND) TTL	6	NC
2	GND	7	LD Alarm (HIGH(+5V):FAIL / LOW: NORMAL)
3	VCC(12V)	8	NC
4	RS232 DATA IN	9	PD Alarm (HIGH(+5V):FAIL / LOW: NORMAL)
5	RS232 DATA OUT		

2. Remote

SD-MOLEX-15A Connector Configurations			
1	Modem Enable(GND) TTL	6	NC
2	GND	7	LD Alarm (HIGH(+5V):FAIL / LOW: NORMAL)
3	VCC(12V)	8	NC
4	RS232 DATA IN	9	PD Alarm (HIGH(+5V):FAIL / LOW: NORMAL)
5	RS232 DATA OUT		

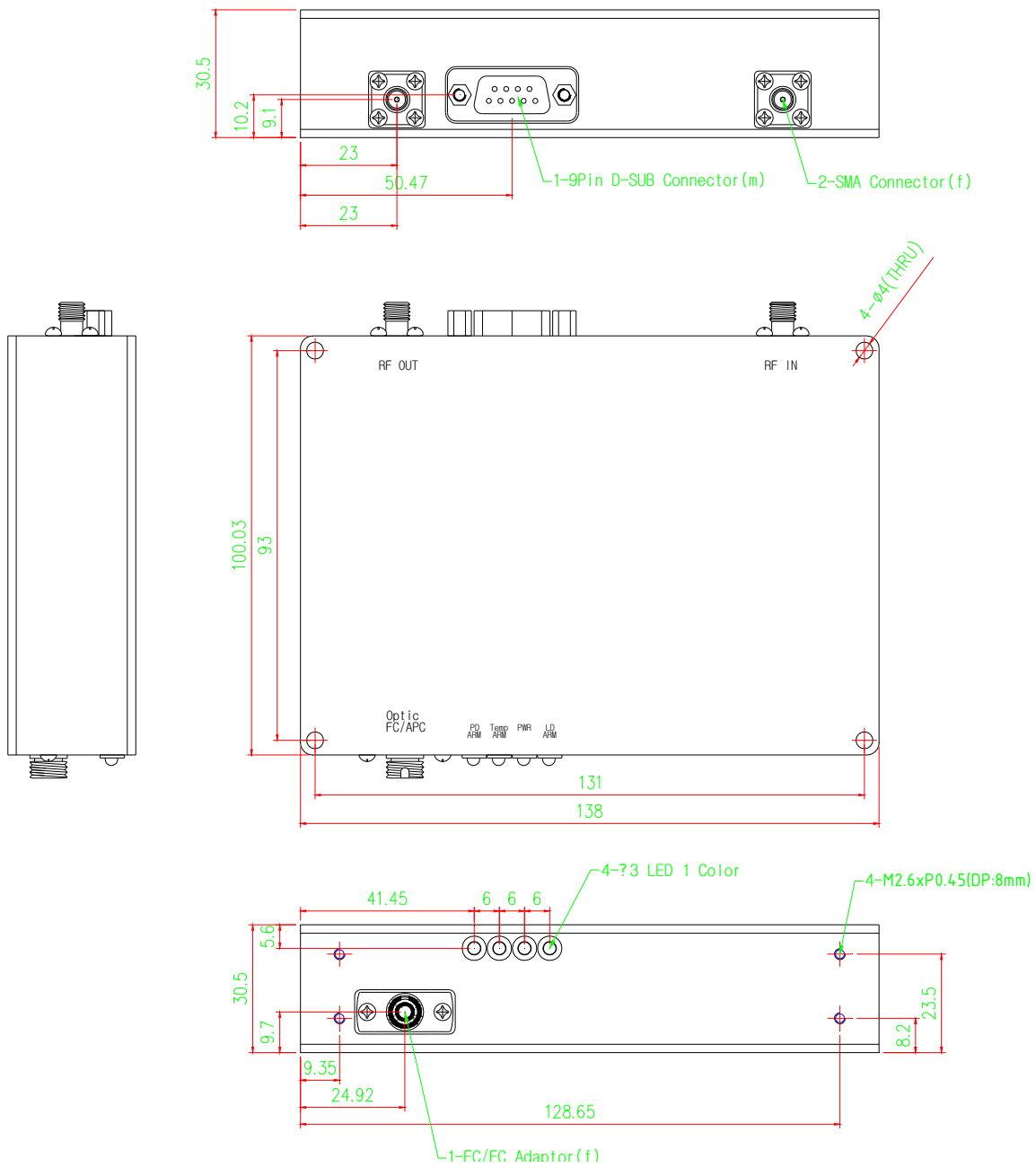
- Modem EN : High(+5V) = Alarm, Low (0V) = Normal.
- Modem Frequency : FSK 29.9MHz(Tx), 26.9MHz(Rx)

Absolute Maximum Ratings

Absolute Maximum Rating			
Parameter	Symbol	Rating	Unit
Optical Input Power		6	dBm
RF Input Power		3	dBm
DC Supply Volts		12	V
Operating Temperature		-20 ~ +60	℃

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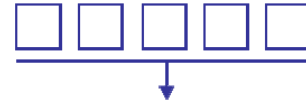
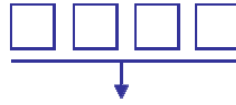
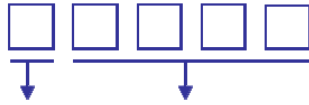
Mechanical Specification



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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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