

Data Sheet(Optic analog Module Series)

ITOM-S0065-1870-DND43 / RRD43

Electrical Specification

Parameters		Unit	Min	Max	Remark
Optical output power		dBm	2	6	
Wave length		nm	1302.5	1317.5	Donor
		nm	1542.5	1557.5	Remote 1
		nm	1502.5	1517.5	Remote 2
Frequency		MHz	1860	1870	DL
		MHz	65	75	UL
	1770		1780		
RF Gain		dB	-2	+2	
Flatness		dB(p-p)		1	
VSWR				1.5	S11/S22
IP3 (0dBm/Tone)		dBc	28		
Output noise floor		dBm/Hz		-132	
Directivity		dBc	60		
Alarm	LD	dBm	-5		Normal : High(+5V) TTL
	PD	dBo	-15		
Current	Donor	mA		400	12V
	Remote	mA		800	
Gain Variation		dB	-5	3	
Operating Temperature		-20℃ ~ +70℃			
Optic Connector		SC/APC			
RF Connector		SMA Female			

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Pin Map

D-sub 9Pin Configurations				
Master		Slave		Remark
1	VCC (+12V)	1	Modem Enable	Alarm: Normal_High (+5V) TTL
2	TX-Data (Modem)	2	GND	
3	RX-Data (Modem)	3	+12V	
4	LD ALARM	4	TX-Data (Modem)	
5	PD ALARM	5	RX-Data (Modem)	
6	N.C	6	N.C	
7	GND	7	LD ALARM	
8	GND	8	N.C	
9	GND	9	PD ALARM	

- Modem Enable: 0V / Disable : +5V

- Modem Frequency : 29.9MHz (TX), 26.9MHz (RX)

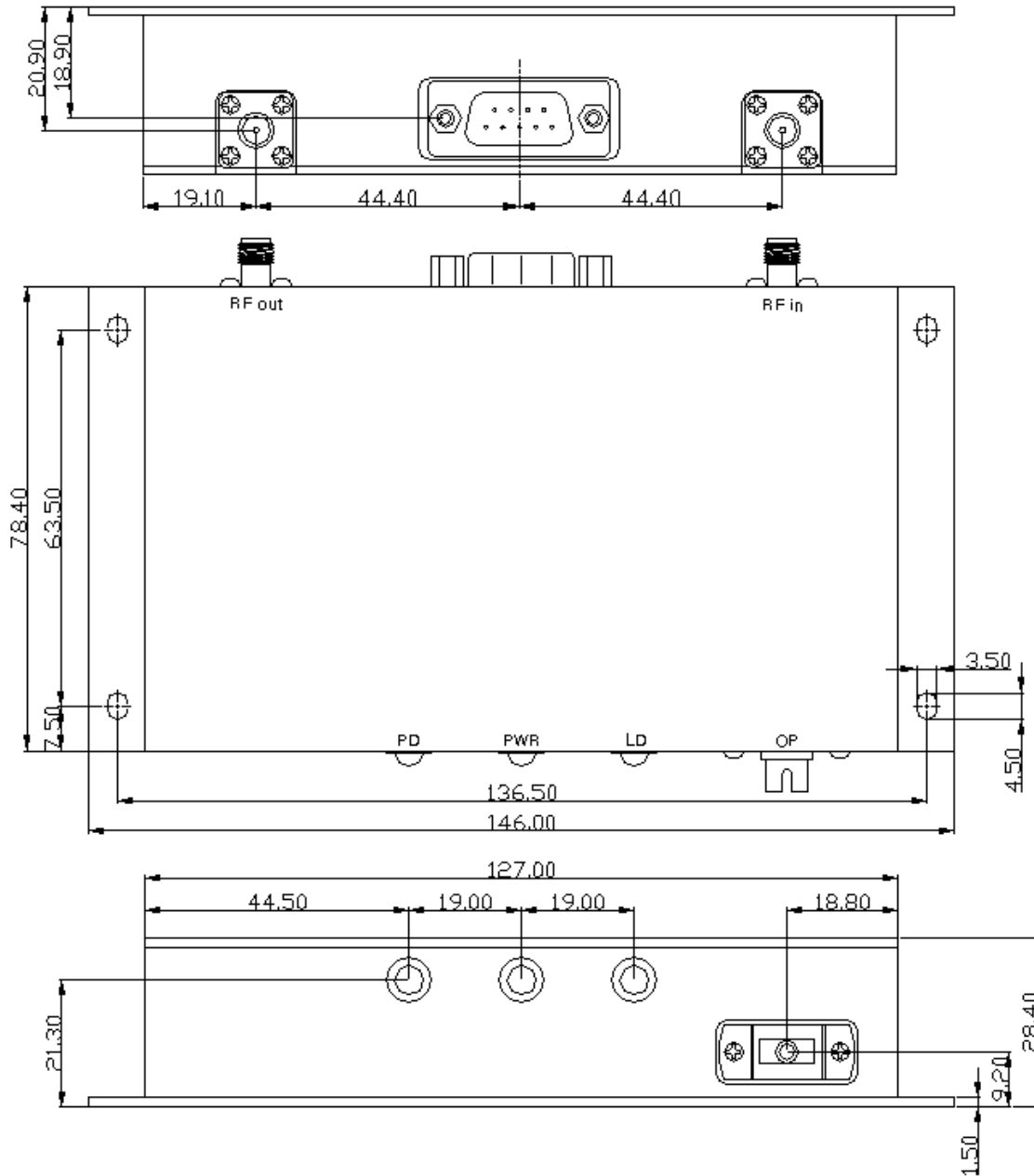
Data Rate : 9600bps

Absolute Maximum Ratings

Absolute Maximum Rating			
Parameter	Symbol	Rating	Unit
Optical Input Power		7	dBm
RF Input Power		5	dBm
DC Supply Volts		13	V
Operating Temperature		-20 ~ +70	℃

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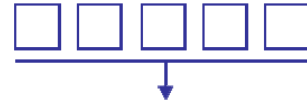
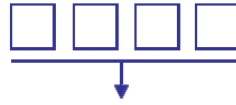
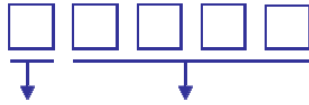
Mechanical Specification



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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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