

Data Sheet(Optic analog Module Series)

ITOM-S1800-2200-DND42 / RRD42

Electrical Specification

Parameters		Unit	Min	Max	Remark
Optical output power		dBm	0	6	
Wave length		nm	1300	1310	Donor
		nm	1540	1560	Remote
Frequency		MHz	1800	2200	DL,UL
RF Gain		dB	-2	+2	WDM INSIDE
Flatness		dB(p-p)		2	
VSWR				1.5	S11/S22
IP3 (0dBm/Tone)		dBc	28		
Output noise floor		dBm/Hz		-130	@1.9GHz
Directivity		dBc	60		
Alarm	LD	dBm	-5		Normal : High(+5V) TTL
	PD	dBm	-12		
Current	12V	mA		500	
Gain Variation		dB	-3		
Operating Temperature		-20℃ ~ +70℃			
Optic Connector		SC/APC			
RF Connector		SMA Female			

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Pin Map

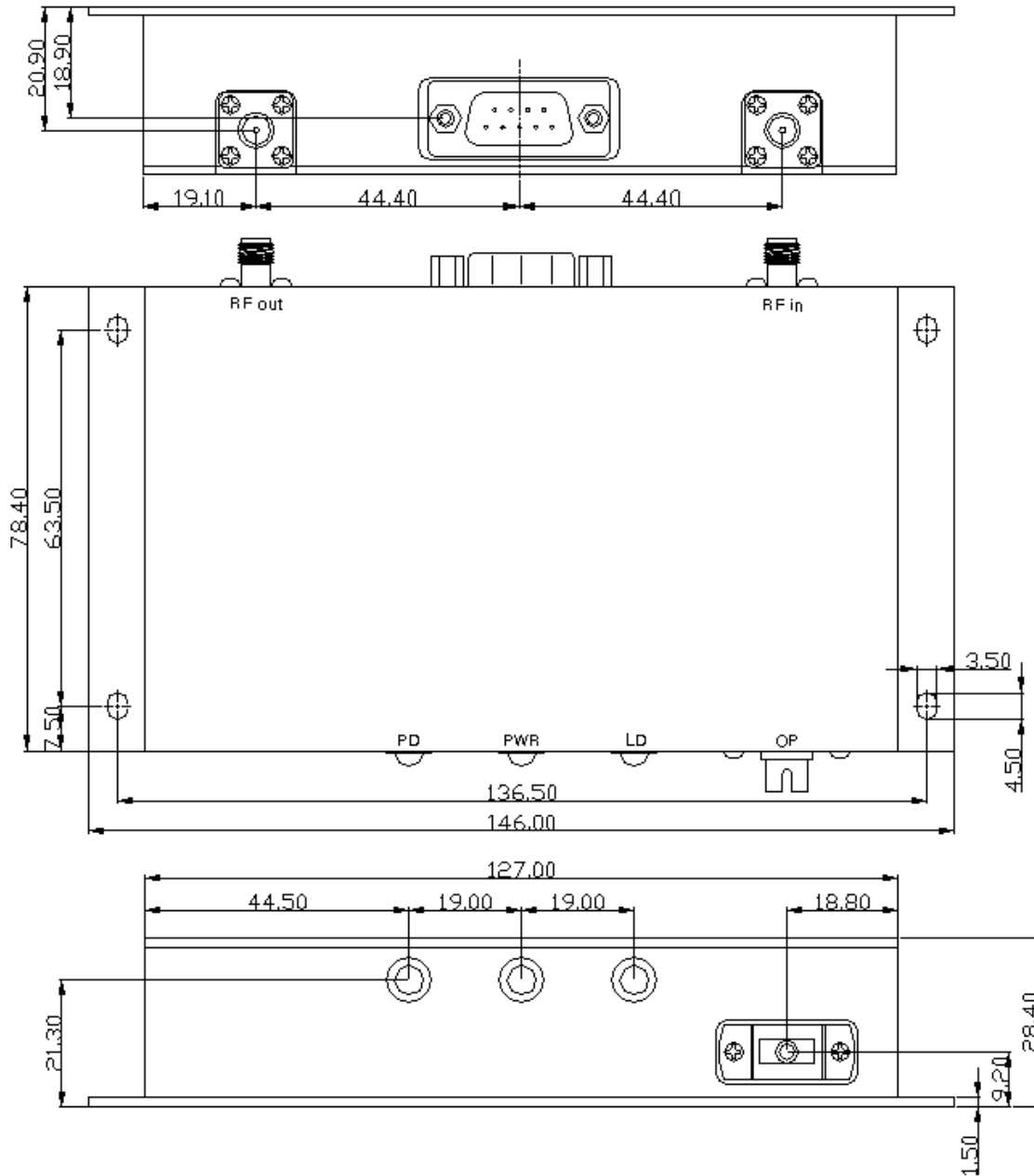
D-sub 9Pin Configurations		
1	NC	Alarm: Normal_High(+5V) TTL
2	GND	
3	Vcc(+12V)	
4	NC	
5	NC	
6	NC	
7	LD ALARM	
8	NC	
9	PD ALARM	

Absolute Maximum Ratings

Absolute Maximum Rating			
Parameter	Symbol	Rating	Unit
Optical Input Power		7	dBm
RF Input Power		10	dBm
DC Supply Volts		13 (Typ 12)	V
Operating Temperature		-20 ~ +70	°C

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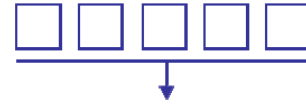
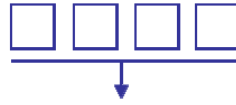
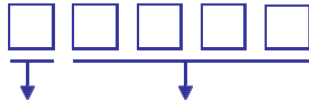
Mechanical Specification



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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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