

# Data Sheet(Optic analog Module Series)

## ITOM-M0824-2150-DND22 / RRD22

### Electrical Specification

Parameters		Unit	Min	Max	Remark
Optical output power		dBm	7	8	Donor, Remote
Wave length		nm	1540	1560	Donor
		nm	1300	1320	Remote
Frequency		MHz	869	894	DL
			2110	2150	
		MHz	824	849	UL
			1920	1960	
RF Gain		dB	-1	1	DL, UL
Flatness		dB(p-p)		2	
VSWR				1.4	S11/S22 @CDMA
				1.5	S11/S22 @WCDMA
Optic Scattering Noise (DL,UL)		dB	10		@ 10Km Spool
Spurious Emission	F±750KHz	dBc	29		@ CDMA
	F±1.98MHz	dBc	44		
ACPR	F±5MHz	dBc	45		@ WCDMA
	F±10MHz	dBc	50		
Alarm	LD	dBm	-5		Normal : High(+5V)
	PD	dB0	-10		TTL
Gain Variation		dB(p-p)		2	
Operating Temperature		-30℃ ~ +60℃			
Optic Connector		FC/APC			
RF Connector		SMA Female			

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## Pin Map

### 1. Donor, Remote

5Pin Connector Configurations	
1	Vcc (+6V)
2	LD ALM (Normal LOW, Alarm HIGH : +5V)
3	PD ALM (Normal LOW, Alarm HIGH : +5V)
4	INS (LOW)
5	GND

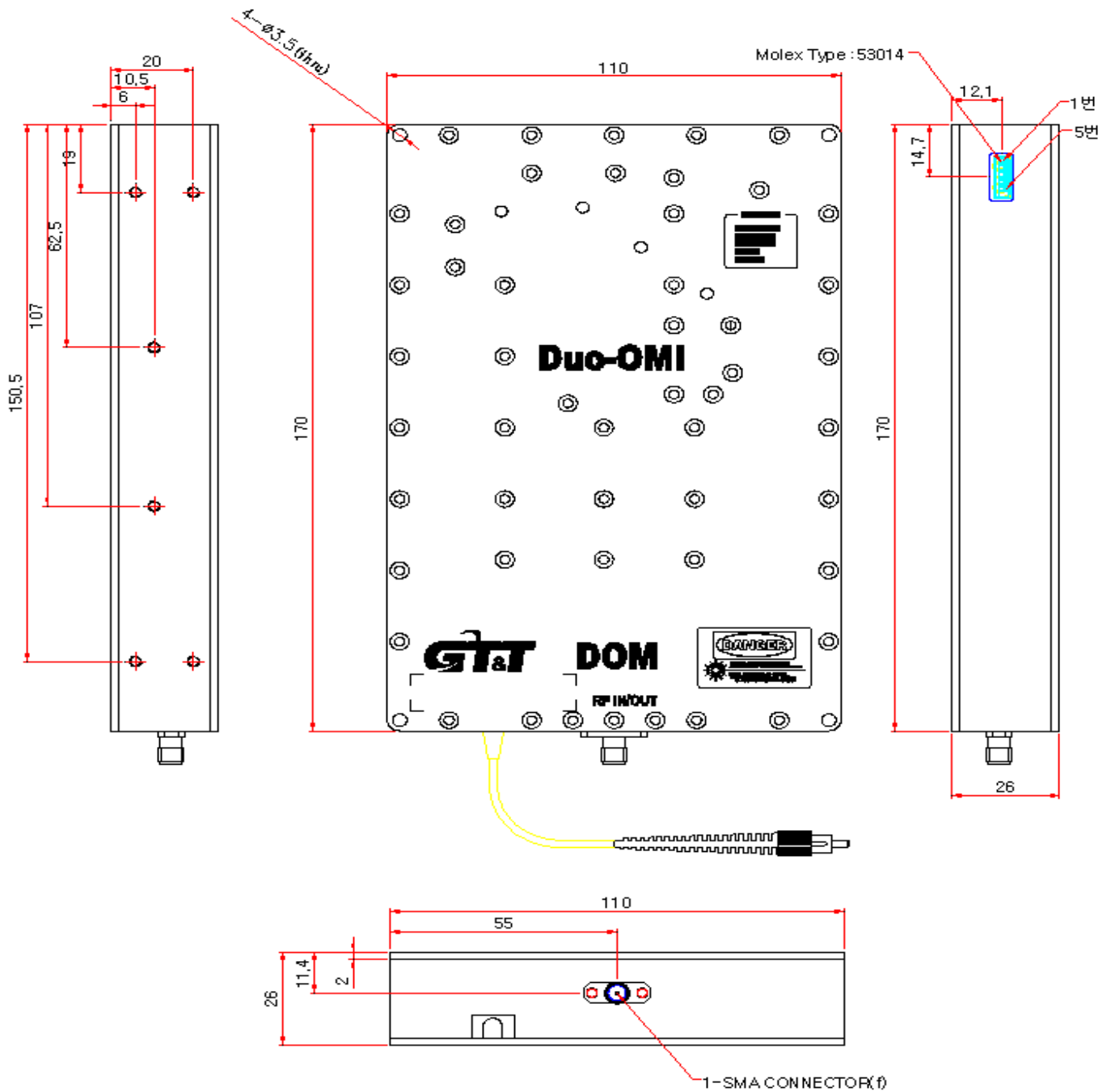
## Absolute Maximum Ratings

Absolute Maximum Rating			
Parameter	Symbol	Rating	Unit
Optical Input Power		8	dBm
RF Input Power		5	dBm
DC Supply Volts		6	V
Operating Temperature		-30 ~ +60	℃

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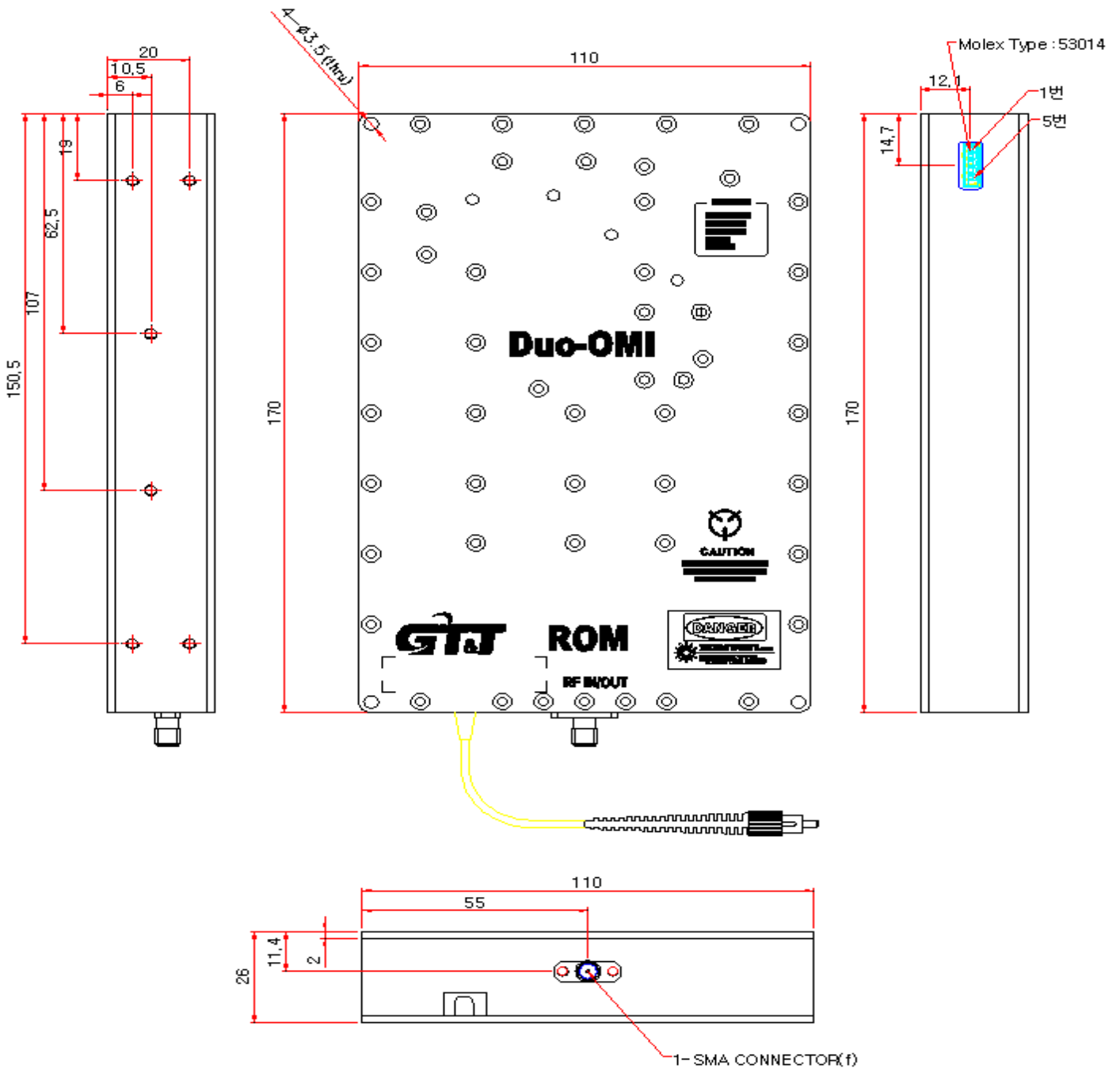
## Mechanical Specification

### 1. Donor



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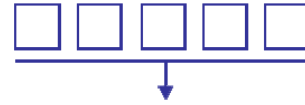
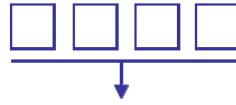
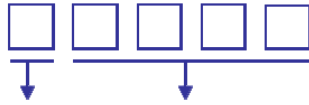
## 2. Remote



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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	

## Contact:

Add: # 303, 304 Daelim Plaza, 1027-20, Hogye-dong, Dongan-gu, Anyang-si, Kyunggido, Korea

TEL : +82-31-454-9315

FAX : +82-31-454-9388

E-mail:sales@intecec.com

<http://www.intecec.com>