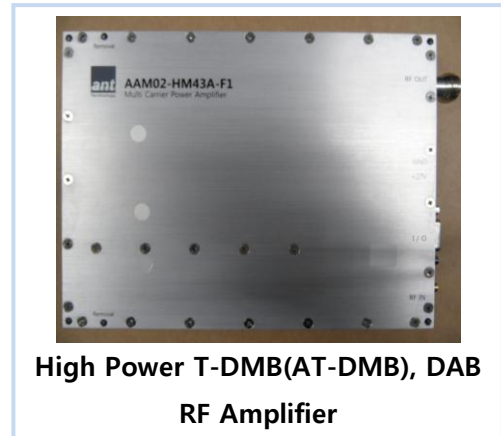


Product Features

- DAB, DMB(T-DMB, AT-DMB) RF amplifier
Multi Carrier Amplifier
- LDMOS Solid State power amplifier
- High linearity and high OIP3
- 50 ohms Matching, Alarm & Control

Application

- T-DMB(AT-DMB), DAB Repeater and Transmitter



Electrical Specification

Parameter	Specification	Remark
Frequency Range	204~210MHz	CH'12'. to be 207~222MHz
Output Power	20W (43dBm)	
Gain	50dB±1dB	
Gain Flatness	1.0dB peak to peak	
Gain Variation Over Temp.	±1dB max.	
Spurious Emission	±970kHz< -45dBc ±1.75MHz< -48dBc	T-DMB 3 ensemble
Input VSWR	1.5:1 max	
Output VSWR	1.5:1 max	
DC Current Consumption	7.5A max @Normal Power 8.5A max @ALC Point	+27V

Environmental Specification

Parameter	Specification	Remark
Operating Temperature	-10°C~+45°C	
Storage Temperature	-20°C~+60°C	
Relative Humidity	0%~90%	Non-condensing

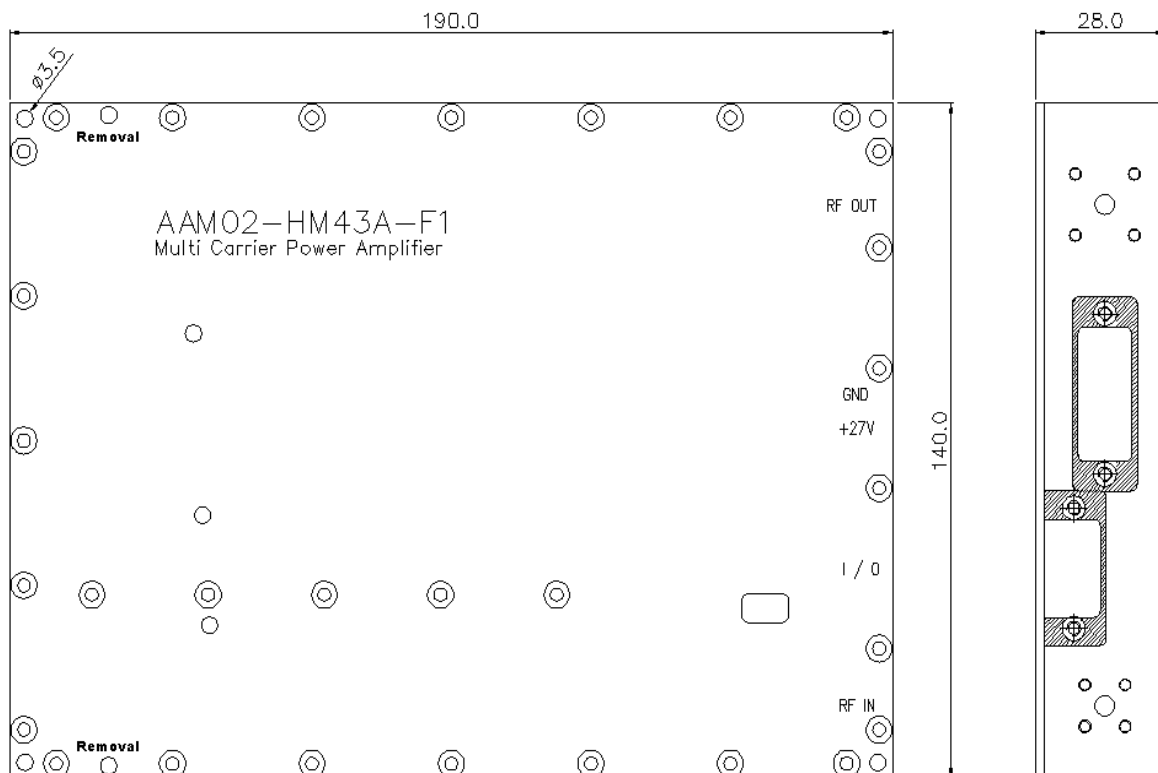
Mechanical Specification

Physical Dimension : 190 * 140 * 28 mm

Pin Assignment

I/O Interface (D-SUB 9 Female)	1. FWD Power Monitor	4V@+43dBm, 100mV/dB
	2. Reserve	
	3. Reserve	
	4. Temp. Monitor	1V@+50°C, 10mV/°C
	5. GND	
	6. Enable	TTL Low
	7. Over Power Alarm	Alarm High, Shut Down @Po=+45dBm ↑ ±1dB
	8. High Temp. Alarm	Alarm&Shut Down@+90°C±5°C Auto Recovery@+70±5°C
	9. VSWR Alarm	4:1 ↑ Po=+30dBm ↑

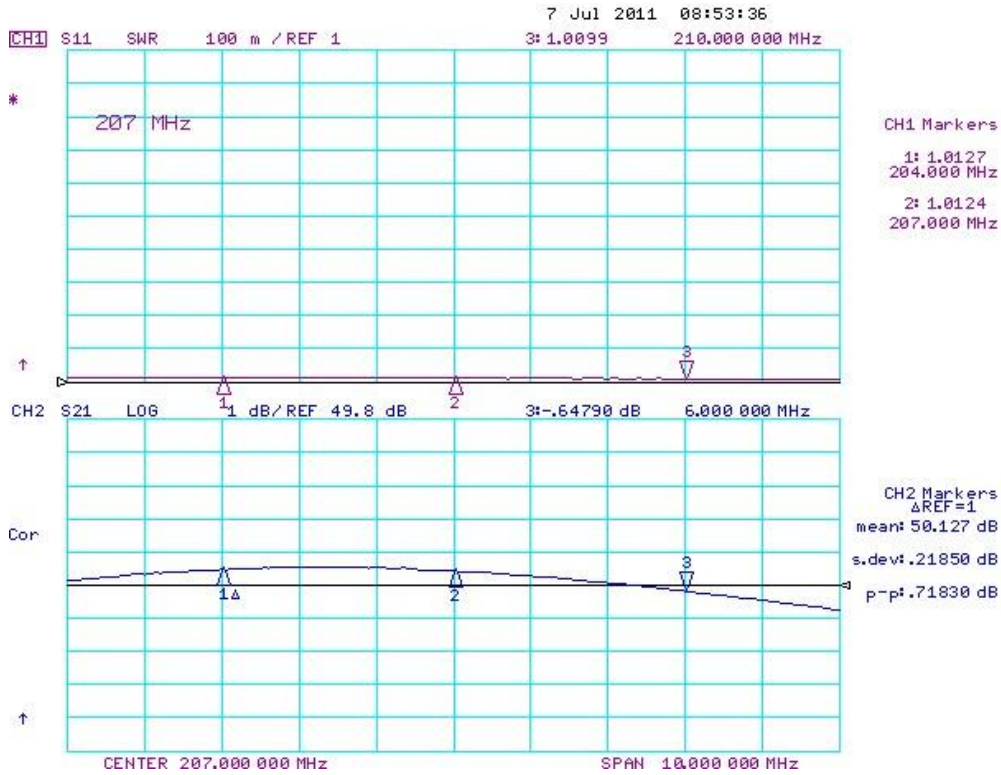
외형도면



T-DMB(AT-DMB), DAB RF Amplifier, Repeater and Transmitter. ISDB-Tmm RF Amplifier



S11, Return Loss & S21, Gain Flatness



“CH12” 207MHz 3 Ensemble Test Data

