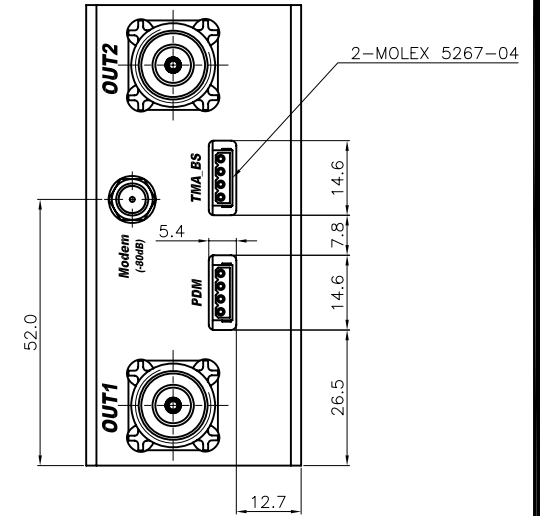
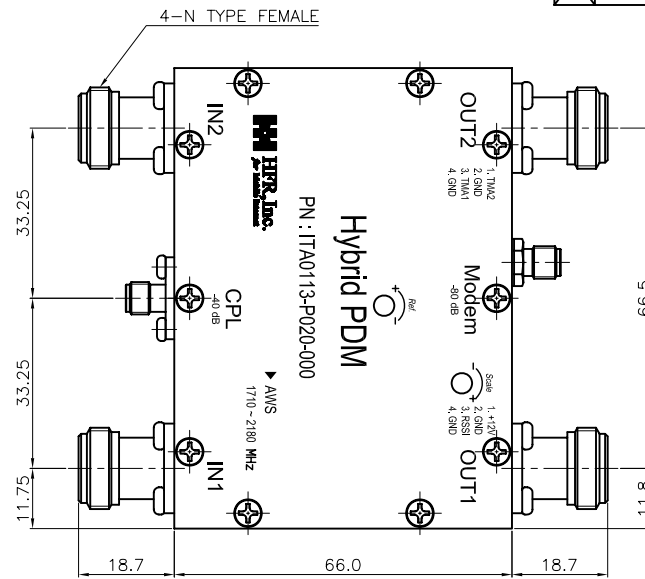
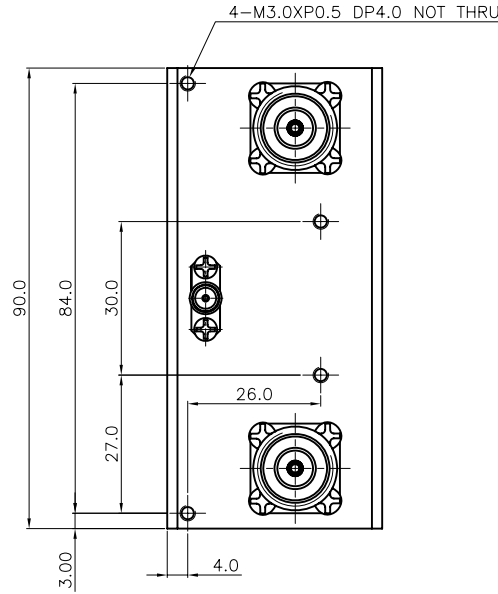


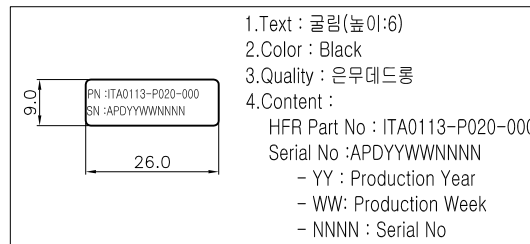
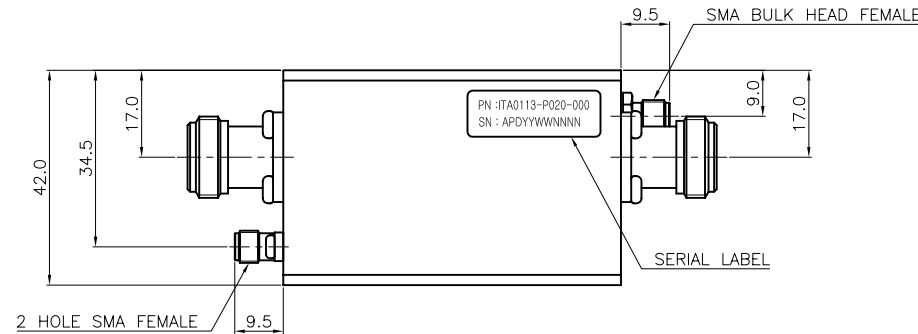
REVISION				
REV	DESCRIPTION	DRAWN	APPR	DATE
1	Initial Registration	K.I.CHO	J.H.YOUN	2012.03.22.



* ELECTRICAL SPECIFICATIONS

Parameters	Unit	Minimum	Typical	Maximum	Comments
Frequency Range	MHz	1710 ~ 2180			AWS-1 & AWS-2
Insertion Loss	dB			0.2	Path1 & Path2
Pass Band Ripple	dBp-p			0.15	@ Pass Band
In/Out Impedance	Ω		50.0		
Input Power Rating	Avg.			150.0	@IN1,IN2 각각 (CDMA Source)
	Peak			1500.0	
Passive IM	dBc	155.0			@ 2 x 43dBm TX CH
Coupling Value	IN1-SMS	80 ± 1.0			@1710~2180 MHz (RX,TX 대역내)
	IN2-SMS				
	IN1-CPL	40 ± 0.5			@2110~2180MHz
	IN2-CPL				
Isolation	IN1-IN2	dB	60.0		
	IN1-OUT2	dB	80.0		
	IN2-OUT1	dB	80.0		
	SMS-OUT1	dB	90.0		
	SMS-OUT2	dB	90.0		
	SMS-DET	dB	65.0		
Coupling Ripple	SMS-CPL	dB	55.0		
		dB		±0.2	
Directivity		dB	10.0		
Input/Output VSWR			≤ 1.15:1		
Input Bias Tee	Voltage	V	10.0	27.0	32.0
	Current	A			2.0
	Pass-band	MHz	2.0	2176	2.3
	Return Loss	dB	15.0		
	RF Rejection	dBc	10.0		
		dBc	60.0		
Detect Frequency Range	MHz	2110~2180			AWS TX
Input Detect Range	dBm	15.0	40.0	50.0	
Detect Voltage	V		3.2	4.0	@ 0.08V/dBm
RSSI Accuracy	dBm		±0.5		@ 30~47dBm
Temp Accuracy	dBm		±0.5		@ -20~75°C, 40dBm
DC input Voltage	V	10.0	12.0	14.0	
DC Current Consumption	mA			50.0	@10~13.8 V

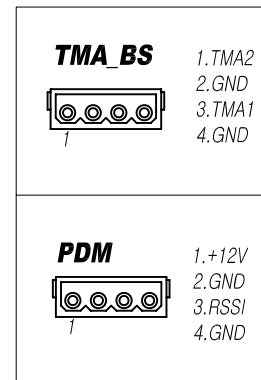
- TX : 1710~1780 MHz, RX : 2110~2180 MHz



* MECHANICAL SPECIFICATIONS

Housing : A6061 T6 (White Chromate)
SMA Connector : 2 hole Type Gold Plate
Bulk head type Ni Plate
N type Connector : SUCO Plate 6μm

* PIN MAP



TOLERANCE	Decimal	DATE	2012. 04. 02.	 RF & MICROWAVE TECHNOLOGY Tel : 82-32-347-8015 Fax : 82-32-347-8017
	Angle	APPROVED BY	J.H.YOUN	
MATERIAL	A6061 T6	CHECKED BY	I.C.KIM	TITLE Hybrid PDM Module
		DRAWN BY	J.H.YOUN	
FINISH	White Chromate	SCALE	1/1	DWG NO. DC00235-7/1 REVISION 1 SHEET 1 of 1
		UNIT	mm	