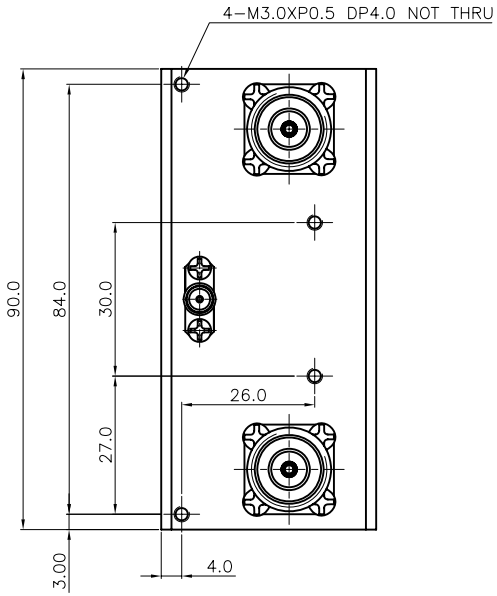
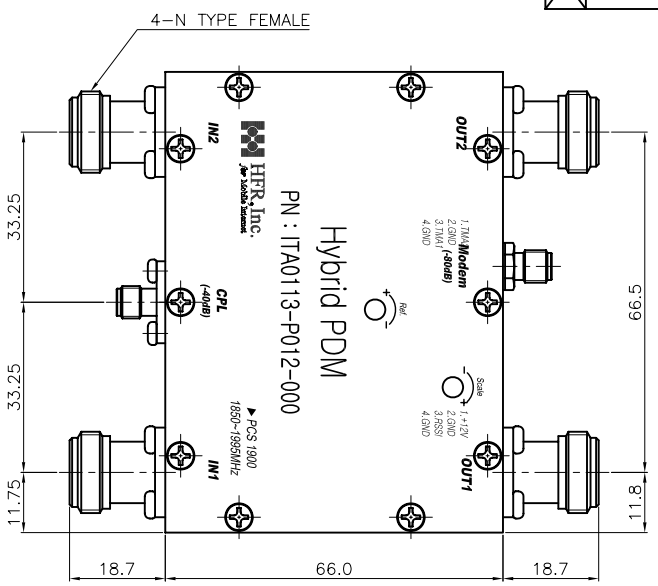
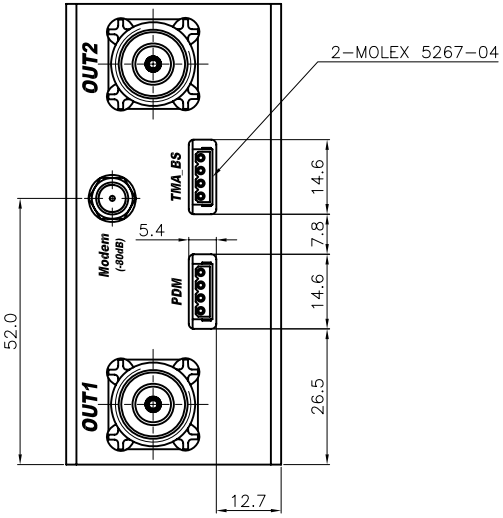
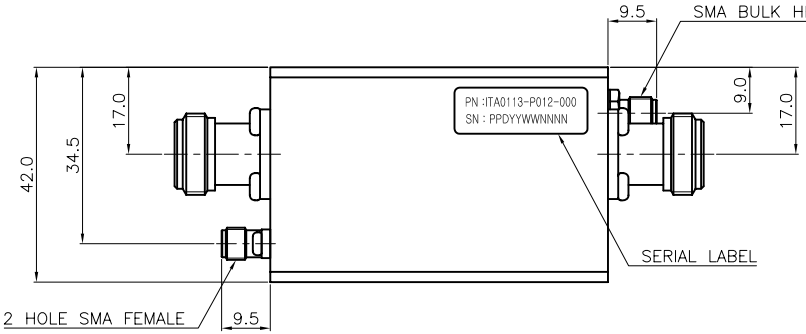
REVISION				
REV	DESCRIPTION	DRAWN	APPR	DATE
IR	Initial Registration	K.I.CHO	J.H.YOUN	2011.07.21.





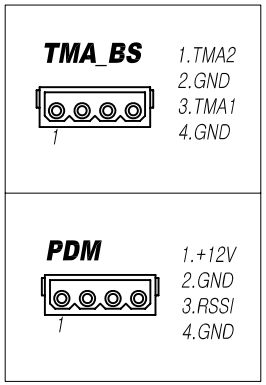




* ELECTRICAL SPECIFICATIONS

Parameters		Unit	Minimum	Typical	Maximum	Comments
Frequency Range		MHz	1850 ~ 1995			PCS1900 band
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.	W			150.0	@IN1,IN2 각각
	Peak				1500.0	(CDMA Source)
Passive IM		dBc	155.0			@ 2 x 43dBm TX CH
Coupling Value	IN1-SMS	dB	80 ± 1.0			@1850~1995 MHz
	IN2-SMS					
	IN1-CPL		40 ± 0.5			@1930~1995MHz
	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			
	SMS-CPL	dB	55.0			
Coupling Ripple		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	2.176	2.3	통과대역 @TMA VCC
	Return Loss	dB	15.0			@ 2.0~2.3 MHz
	RF Rejection	dBc	10.0			@ > 30MHz
		dBc	60.0			@800~2300 MHz
Detect Frequency Range		MHz	1930~1995			PCS1900 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℃ , 40dBm
DC input Voltage		V	10.0	12.0	14.0	
DC Current Consumption		mA			50.0	@10~13.8 V

* PIN MAP



* 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

TOLERANCE	Decimal ±0.3	DATE	2011. 07. 21.
	Angle ±1°	APPROVED BY	J.H.YOUN
MATERIAL	A6061 T6	CHECKED BY	I.C.KIM
FINISH	White Chromate	DRAWN BY	K.I.CHO
		SCALE	1/1
		UNIT	mm

KJ COMTECH CO.,LTD.
RF & MICROWAVE TECHNOLOGY
Tel : 82-32-347-8015
Fax : 82-32-347-8017

TITLE: Hybrid PDM Module

A3 | DWG NO. DC00228-7/1 | REVISION I R | SHEET 1 of 1