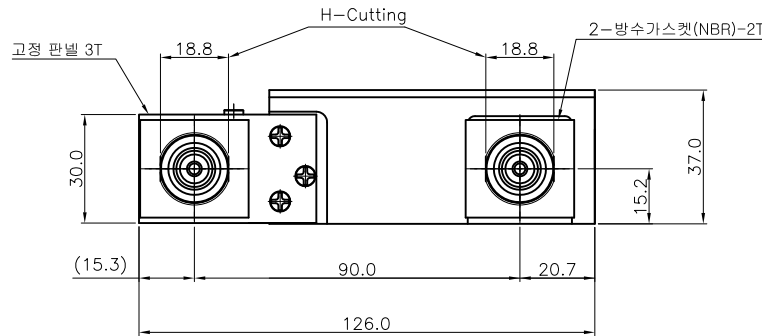
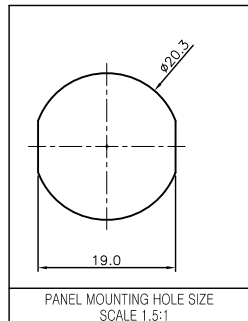
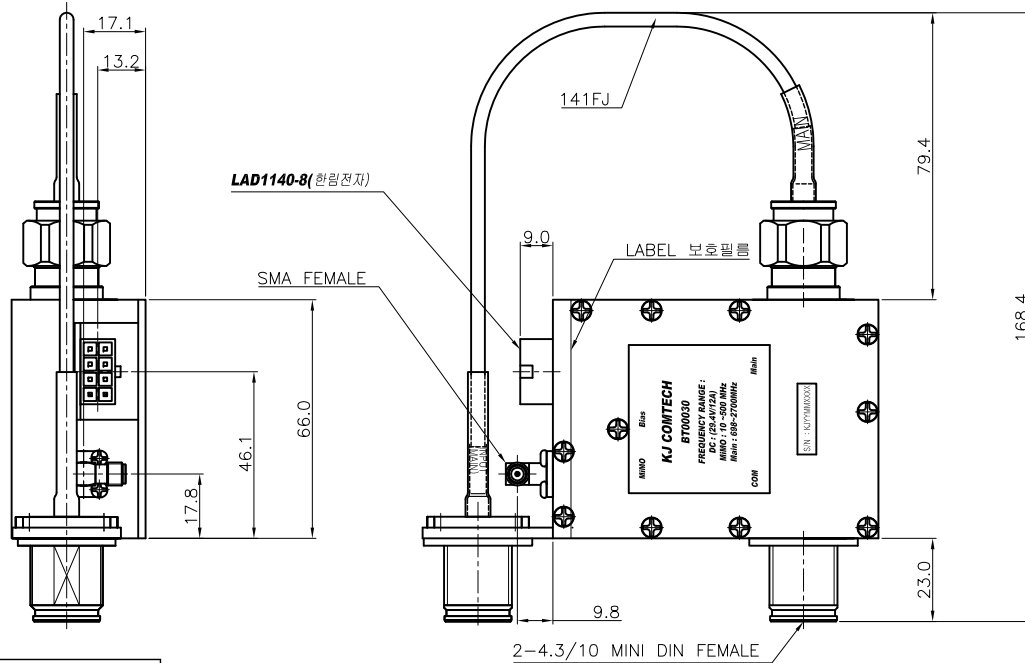
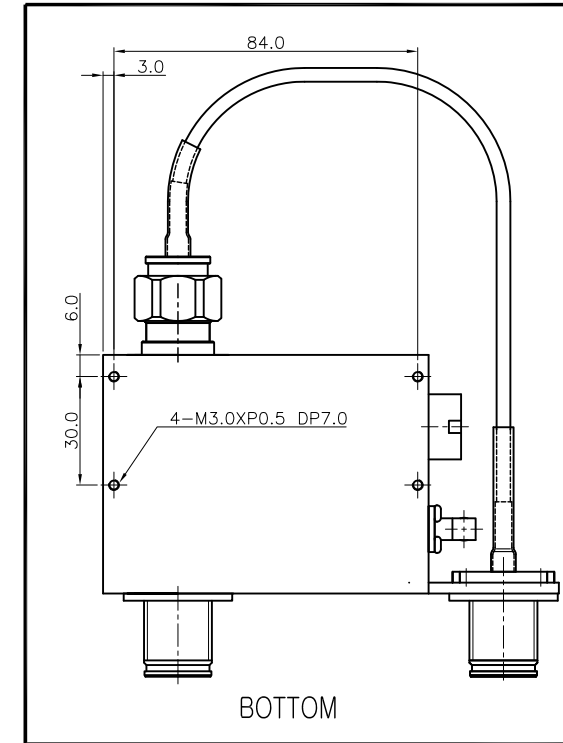


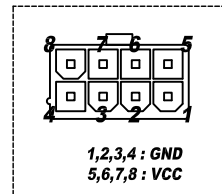


| REVISION |                                                |         |          |             |
|----------|------------------------------------------------|---------|----------|-------------|
| REV      | DESCRIPTION                                    | DRAWN   | APPR     | DATE        |
| 1        | Initial Registration                           | S.L.SON | J.H.YOUN | 2016.11.24. |
| 2        | Main Port Connector 변경, H-Cutting 추가           | S.L.SON | J.H.YOUN | 2017.02.06. |
| 3        | SMA Connector 변경(Right Angle => Straight)      | S.L.SON | J.H.YOUN | 2017.03.02. |
| 4        | 주파수 대역 및 SPEC. 변경 & 내치 WASHER 추가               | S.L.SON | J.H.YOUN | 2017.07.04. |
| 5        | Cable Assy 고정형으로 변경                            | S.L.SON | J.H.YOUN | 2017.09.05. |
| 6        | 삼입소실 평탄도 SPEC 추가                               | S.L.SON | J.H.YOUN | 2018.05.18. |
| 7        | CABLE 길이 변경, Capacitor 내압변경(50V=>100V) 및 수량 변경 | S.L.SON | J.H.YOUN | 2018.06.22. |
| 8        | Spec 변경(2.7~4GHz Spec 추가)                      | S.L.SON | J.H.YOUN | 2019.09.26. |



#### \* ELECTRICAL SPECIFICATIONS

| Parameter         | Unit    | Comment | Specifications              |            |              |
|-------------------|---------|---------|-----------------------------|------------|--------------|
|                   |         |         | MiMO 변조                     | Main Port  |              |
| Frequency Range   | MHz     |         | 10~500                      | 698~960    | 1710~2700    |
| VSWR(Input)       |         | Max.    | 1.6 : 1                     | 1.3 : 1    | 1.6:1        |
| Insertion Loss    | dB      | Max.    | 2.0dB                       | 0.6dB      | 1.2dB (공진포함) |
| Flatness          | dB      | Max.    | 0.4dB (@88~155, 225~325MHz) | -          | -            |
| Input Power       | Max.    |         | Total 1W                    | Total 200W | -            |
| Delay             | Max.    |         | 10ns (Max.)                 |            |              |
| Impedance         |         |         | 50 Ω                        |            |              |
| PIMD              |         |         | -153dBc(Only HPF Port)      |            |              |
| Bias Tee          | Voltage | Max.    | 29.4V                       |            |              |
|                   | Current | Max.    | 12A                         |            |              |
| Temperature Range |         |         | -30°C ~ +60°C               |            |              |
| Humidity Range    |         |         | 45% ~ 95%                   |            |              |
| Environment Class |         |         | IP42                        |            |              |



한림전자 LAD1140-8 PIN MAP

\* DETAIL LABEL  
Serial No : KJYYMMNNNN  
- YY : Year  
- MM : Month  
- NNNN : Serial No

#### \* MECHANICAL SPECIFICATIONS

HOUSING : A6061 (White Chromate)  
CONNECTORS BODY(4.3/10) : MBsBD (SUCO Plate)  
CONNECTORS BODY(SMA) : MBsBD (Ni Plate)  
CONNECTORS PINS(4.3/10) : Beryllium Copper (Silver Plate)  
CONNECTORS PINS(SMA) : Beryllium Copper (Gold Plate)  
INSULATORS : TEFLON

|           |                       |         |              |               |            |             |
|-----------|-----------------------|---------|--------------|---------------|------------|-------------|
| TOLERANCE | Decimal               | ±0.3    | DATE         | 2019. 09. 26. | TITLE      | Bias Tee    |
|           | Angle                 | ±1°     | APPROVED BY  | J.H.YOUN      |            |             |
| MATERIAL  | A6061 T6              |         | CHECKED BY   |               | DWG NO.    | BT00030-7/8 |
|           | FINISH White Chromate |         | DRAWN BY     | S.L.SON       |            |             |
| SCALE 1/1 |                       | UNIT mm | SHEET 1 of 1 |               | REVISION 8 |             |



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