

Recommended PCB Layout

Frequency:

Frequency range: 0~ 6 GHz

VSWR: ≤1.2

Insertion Loss (dB): 0.177 under 6GHz (50 ohm)
0.177 under 3GHz (75 ohm)

Electrical:

Impedance: 50/75 ohm

Voltage Rating: ≥335 V rms (Depending on cable)

Insulator Resistance : ≥ 1 GΩ

Dielectric Withstanding Voltage : 750 V rms

Contact Resistance : Center Contact ≤ 5 mΩ

Outer Contact ≤ 2.5 mΩ

Mechanical:

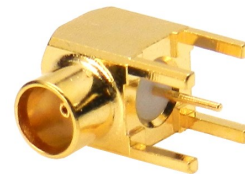
Mating : Snap-on Coupling

Engagement Force : ≤3.4 lbs

Disengagement Force : 1.4 lbs ~ 3.4 lbs

Cable Retention Force: ≥7.3 lbs (for RG178)

≥12.1 lbs (for RG316)



Environmental:

Temperature Range : -55°C to 155°C

Corrosion (Salt Spray) : MIL-STD-202,

Method 101, Cond.B

Vibration : MIL-STD-202, Method 204, Cond.C

Thermal Shock : MIL-STD-202, Method 107, Cond.F

Mechanical : MIL-STD-202, Method 213, Cond.B

Notes:

1- The overall contour may be slightly changed per terminating with different cable and we reserve right to change it without notice.

2- Any changes for interface dimensions are strictly prohibited.

3- The Material and plating are in various options per customer's request.

4- A complete information for connectors is available upon request.

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| Type | Dimensions | | | | | | |
|------|------------|-----|------|---|-----|-----|------|
| | A | B | C | D | a | b | c |
| A0 | 0.5 | 0.8 | 5.08 | 4 | 0.8 | 1.4 | 5.08 |
| A1 | 0.95 | 0.8 | 5.08 | 4 | 1.2 | 1.4 | 5.08 |
| N0 | 0.95 | 0.8 | 5.08 | 3 | 1.2 | 1.4 | 5.08 |

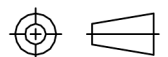
| Tolerances |
|------------|
| .X ±0.2 |
| .XX ±0.1 |
| .XXX ±0.05 |

| Scale | Abbr. | Rev. |
|-------|-------|------|
| NTS | ST | B |

Part Number

F162-230X

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All Dimensions in mm
(Unless Otherwise Specified)

Date

2021/08/23

