

# WALL MOUNT 4G/5G ANTENNA

## 698-3800 MHz - 4G/5G Cellular

The L001414-0X antenna offers 4G/5G cellular coverage in an extremely compact form factor.

This antenna is ideal for smart utility, metering, industrial/manufacturing type applications in which connected devices benefit from a simple-to-install remotely located antenna.

This wall-mount antenna gives good omni-directional performance for reliable connectivity.

## FEATURES AND BENEFITS

- 4G/5G coverage.
- Can locate away from metal structures for good reception.
- RF Performance: High gain & stable radiation patterns
- Easy to install
- Aesthetically pleasing
- Various mounting options available with adhesive or screw-mount (not included)

## APPLICATIONS

- Radio System: 5G, LTE, CBRS, 3G, 2G applications
- Smart metering
- Smart city
- EV chargers
- Vending machines
- Manufacturing environments

## ORDERING INFORMATION

| Part Number | Cable | Connector |
|---|---|---|
| L001414-01 | 0.5 meter | SMA |
| L001414-02 | 1.5 meter | SMA |

## SPECIFICATIONS

| ELECTRICAL SPECIFICATION | | | |
|---|---|---|---|
| Operating Frequency (MHz) | 698-960 | 1710-2700 | 3300-3800 |
| VSWR (center freq.) | < 2.5 :1 | < 2.2 :1 | < 1.9 :1 |
| Efficiency (Typ.) | 58 % | 74 % | 68% |
| Peak Gain (Typ.) | 3.4 dBi | 4.8 dBi | 3.7 dBi |
| Feed Point Impedance | 50 Ohms | | |
| Polarization | Linear | | |

Gain performance measured data might vary due to different chamber test tolerance.

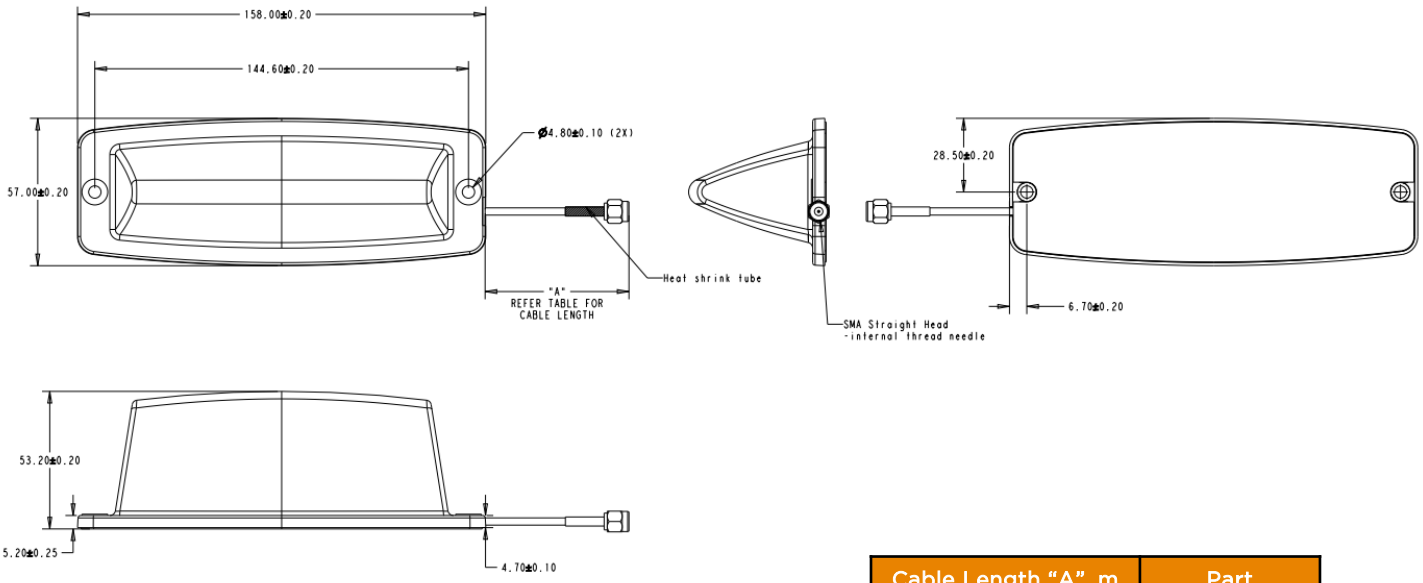


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| MECHANICAL SPECIFICATION | |
|---|---|
| Dimensions LxWxH mm (in.) | 158 x 57 x 53.2 |
| Weight | < 100 g |
| Mounting | PC + ABS ( Grey) |
| Cable | 0.5m - L001414-01<br>1.5m - L001414-02 |
| Mating Connector | SMA Male |

| ENVIRONMENTAL SPECIFICATION | |
|---|---|
| Operating Temperature °C (°F) | -40 to +90 (-40 to 194) |
| Storage Temperature °C (°F) | -40 to +90 (-40 to 194) |
| Hazardous Materials | A certificate of conformance is available from the product page on TE website. |

## MECHANICAL DRAWINGS




| Cable Length "A", m | Part Number |
|---|---|
| 0.5 m | L001414-01 |
| 1.5 m | L001414-02 |

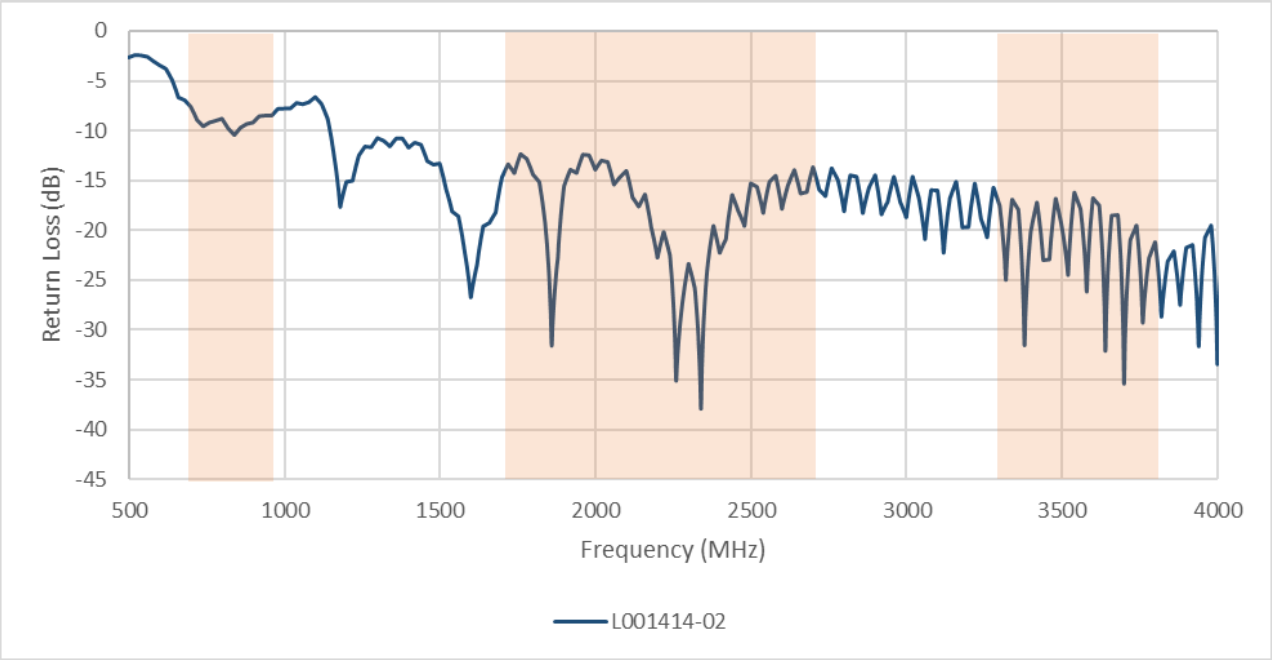
Dimensions: mm
Diagram is not to scale



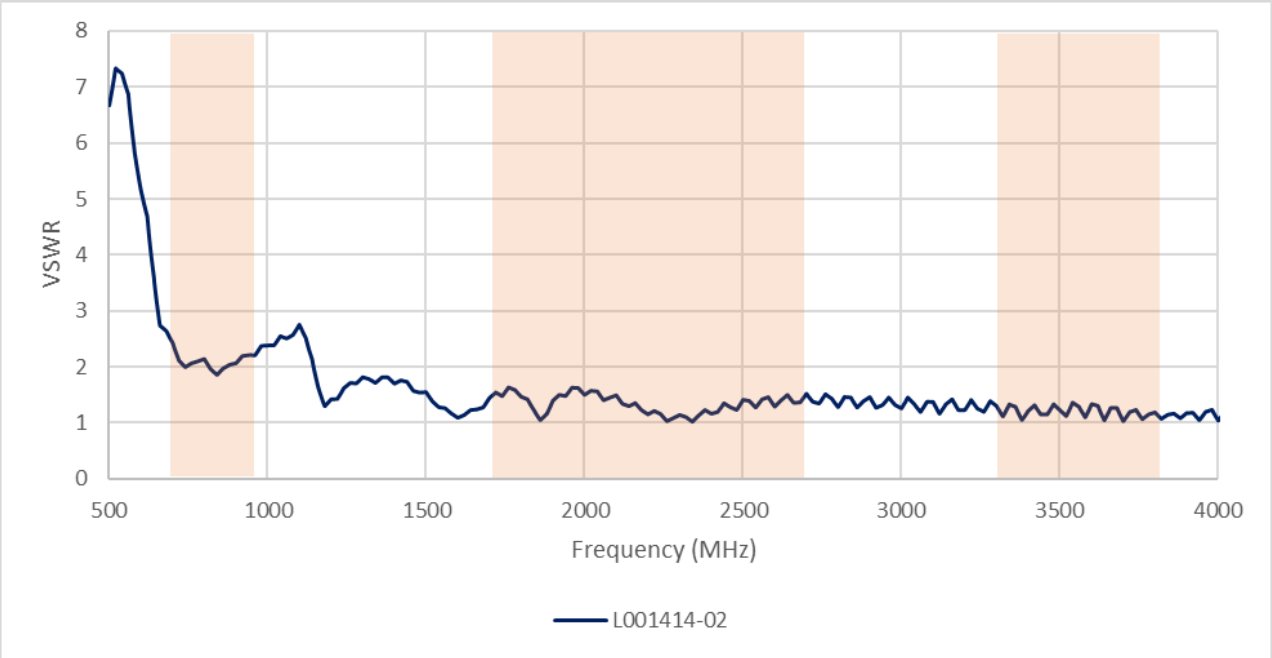
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## RF DATA

### Return Loss




### VSWR



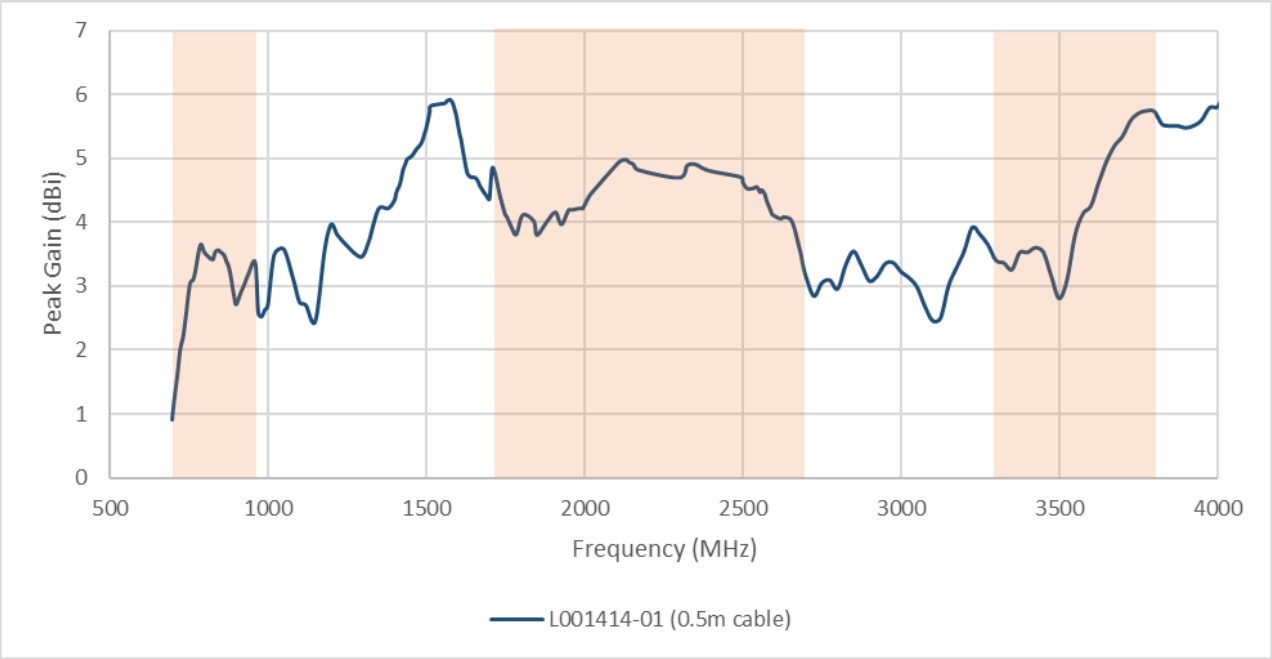

Data measured in free space application data may vary



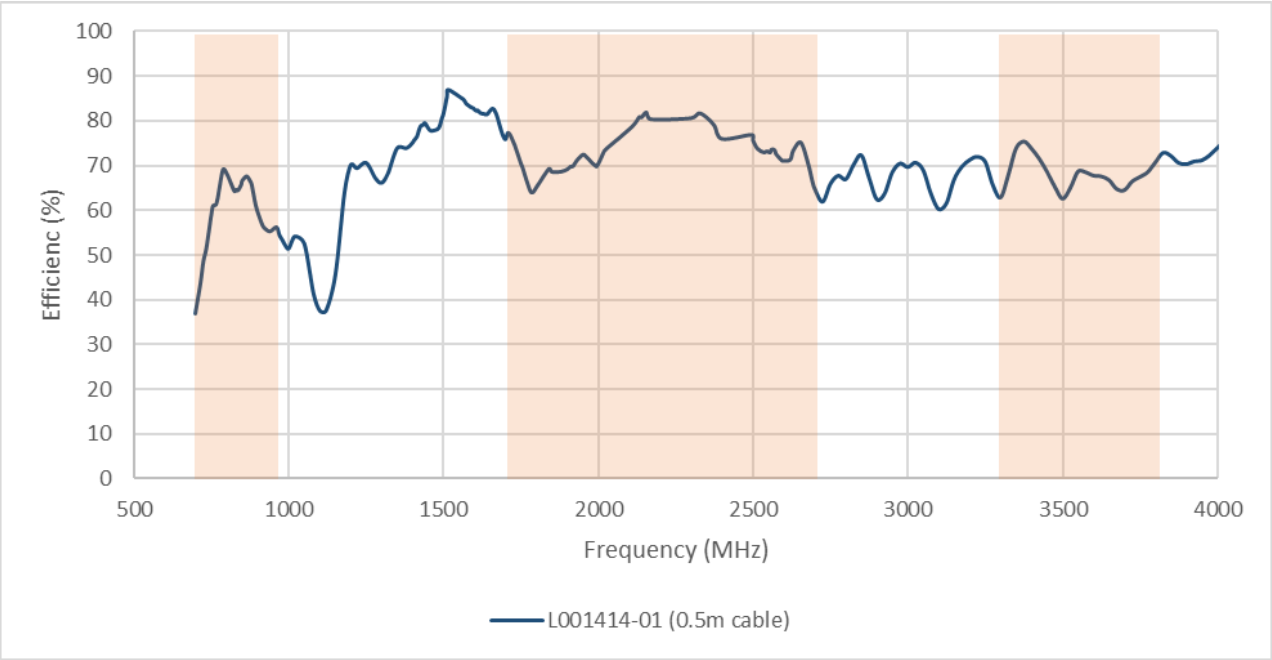
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## RF DATA

### Peak Gain




### Efficiency

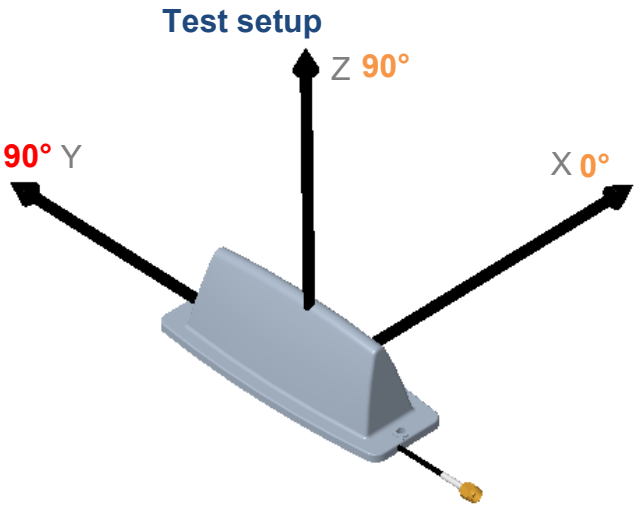



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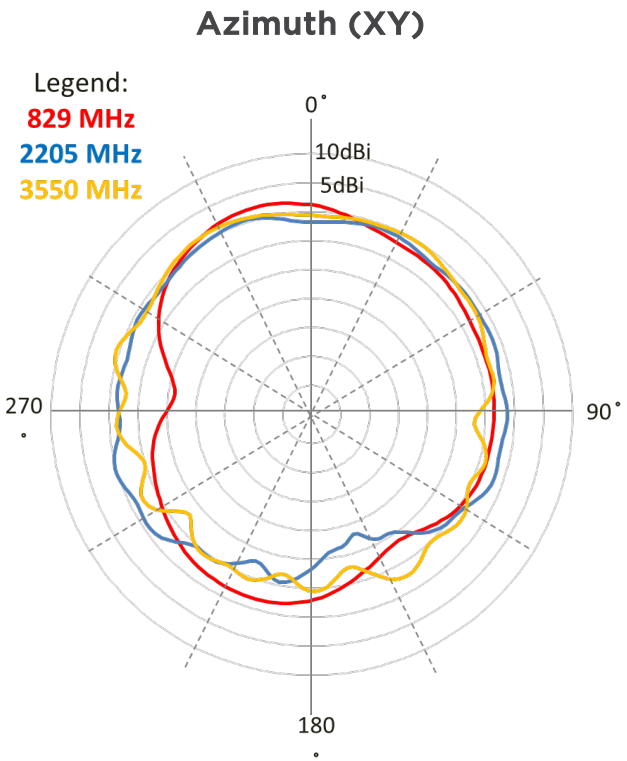


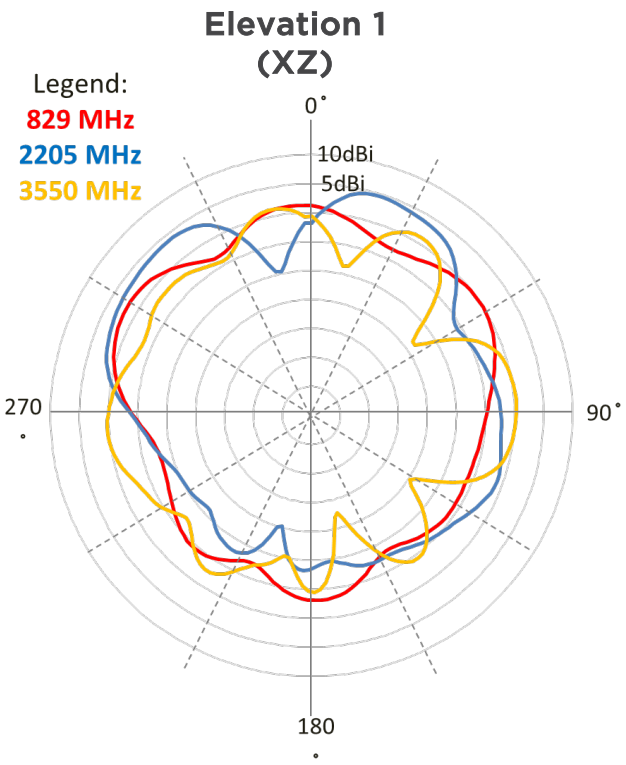
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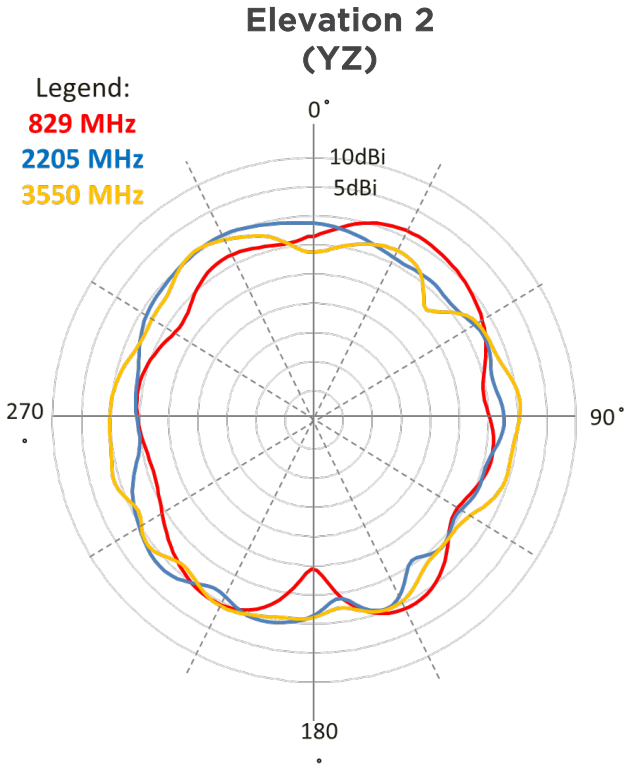
## RADIATION PATTERNS




Azimuth Plane (XY)
Elevation 1 Plane (XZ)
Elevation 2 Plane (YZ)



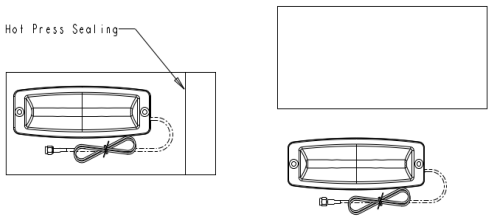




Data measured in free space application data may vary

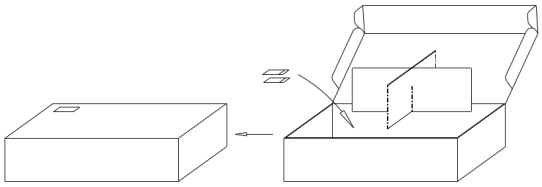


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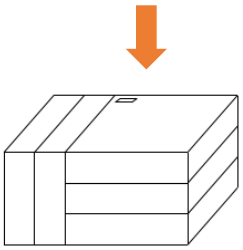
## PACKAGING



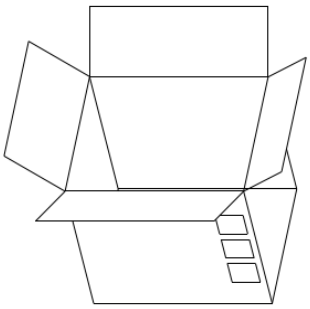

**1PCS/Bubble Pack**
Bubble Pack Dimension: 240 x 160 mm
Weight –100g



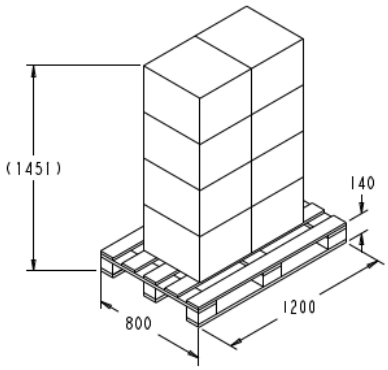
**3PCS/Box Compartment (12PCS)**
Unit Box Dimension: 380 x 260 x 90 mm
Weight –1.2kg



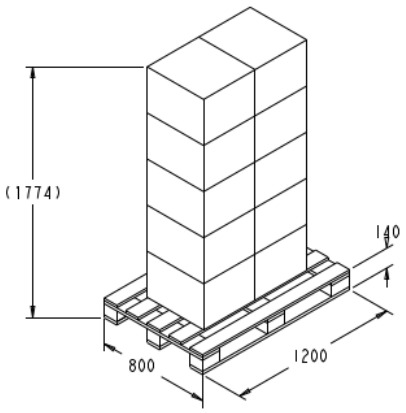
**Arrange 5PCS Unit Box (60PCS)**
Weight –6.0kg



**Pack In Master Carton**
Master Box Dimension: 460 x 325 x 420 mm
Weight –6.0kg




AIR SHIPMENT




OCEAN SHIPMENT

| PART NO. | Shipping Weight – kg (Estimated) *Include Pallet Weight - 12kg* | | |
|---|---|---|---|
| | MASTER CARTON | AIR PALLET | OCEAN PALLET |
| L001414-01 | 6.0 | 60.0 | 72.0 |
| L001414-02 | 6.0 | 60.0 | 72.0 |



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## TE TECHNICAL SUPPORT CENTER

| | |
|---|---|
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| Canada: | +1 (905) 475-6222 |
| Mexico: | +52 (0) 55-1106-0800 |
| Latin/S. America: | +54 (0) 11-4733-2200 |
| Germany: | +49 (0) 6251-133-1999 |
| UK: | +44 (0) 800-267666 |
| France: | +33 (0) 1-3420-8686 |
| Netherlands: | +31 (0) 73-6246-999 |
| China: | +86 (0) 400-820-6015 |

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