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

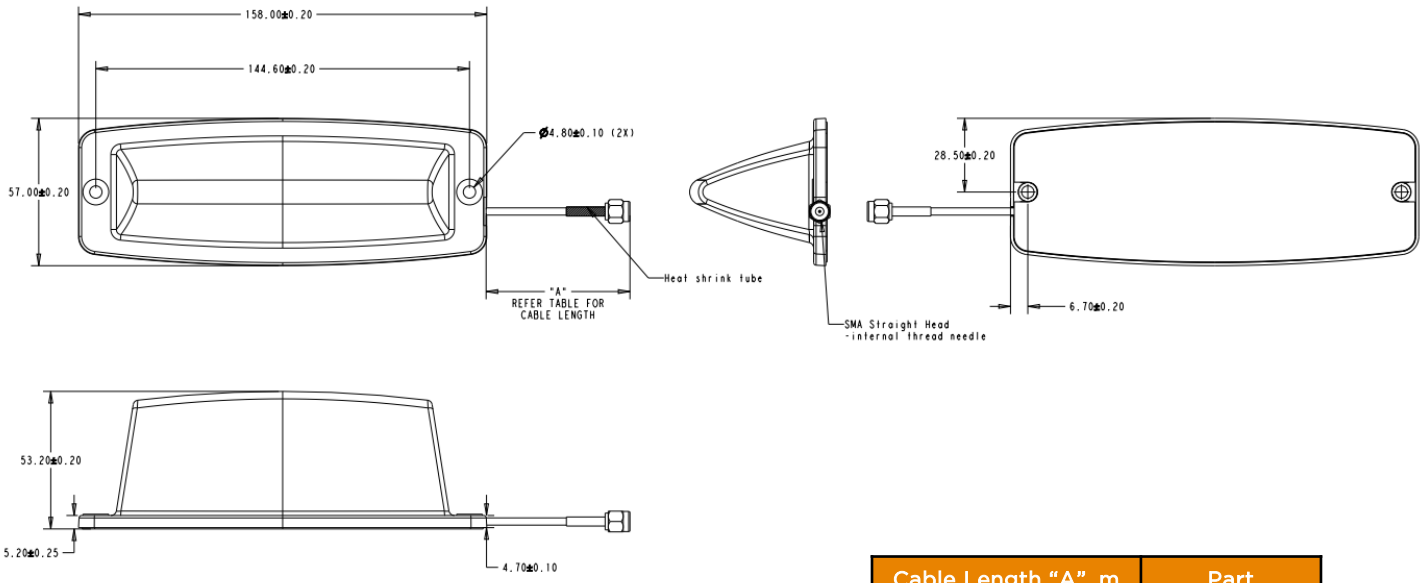
ELECTRICAL SPECIFICATION			
Operating Frequency (MHz)	698-960	1710-2700	3300-3800
VSWR (center freq.)	< 2.5 :1	< 2.2 :1	< 1.9 :1
Efficiency (Typ.)	58 %	74 %	68%
Peak Gain (Typ.)	3.4 dBi	4.8 dBi	3.7 dBi
Feed Point Impedance	50 Ohms		
Polarization	Linear		

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

MECHANICAL SPECIFICATION	
Dimensions LxWxH mm (in.)	158 x 57 x 53.2
Weight	< 100 g
Mounting	PC + ABS (Grey)
Cable	0.5m - L001414-01 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

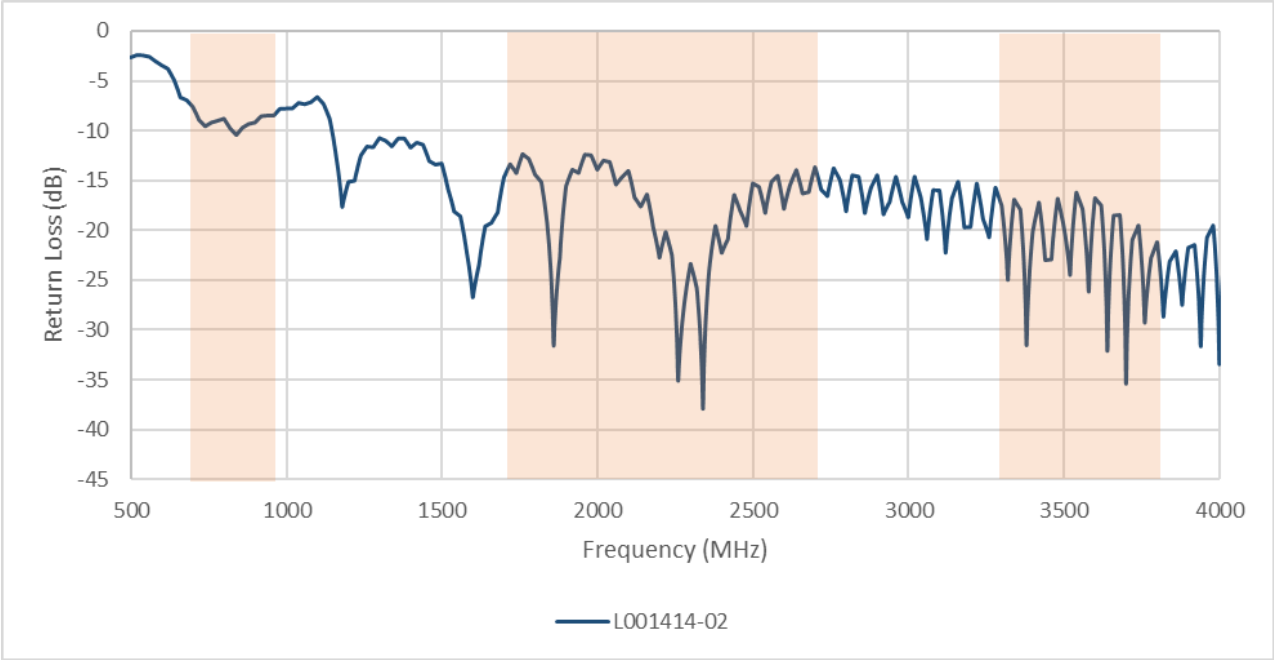


Cable Length "A", m	Part Number
0.5 m	L001414-01
1.5 m	L001414-02

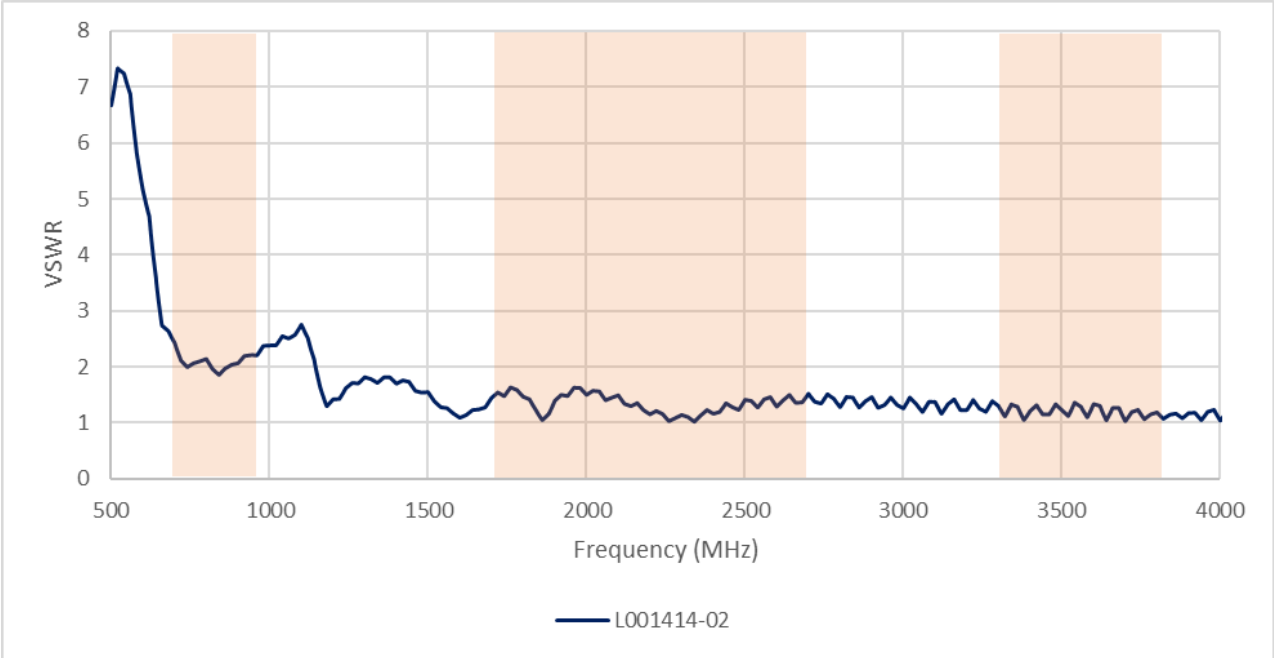
Dimensions: mm
Diagram is not to scale

RF DATA

Return Loss



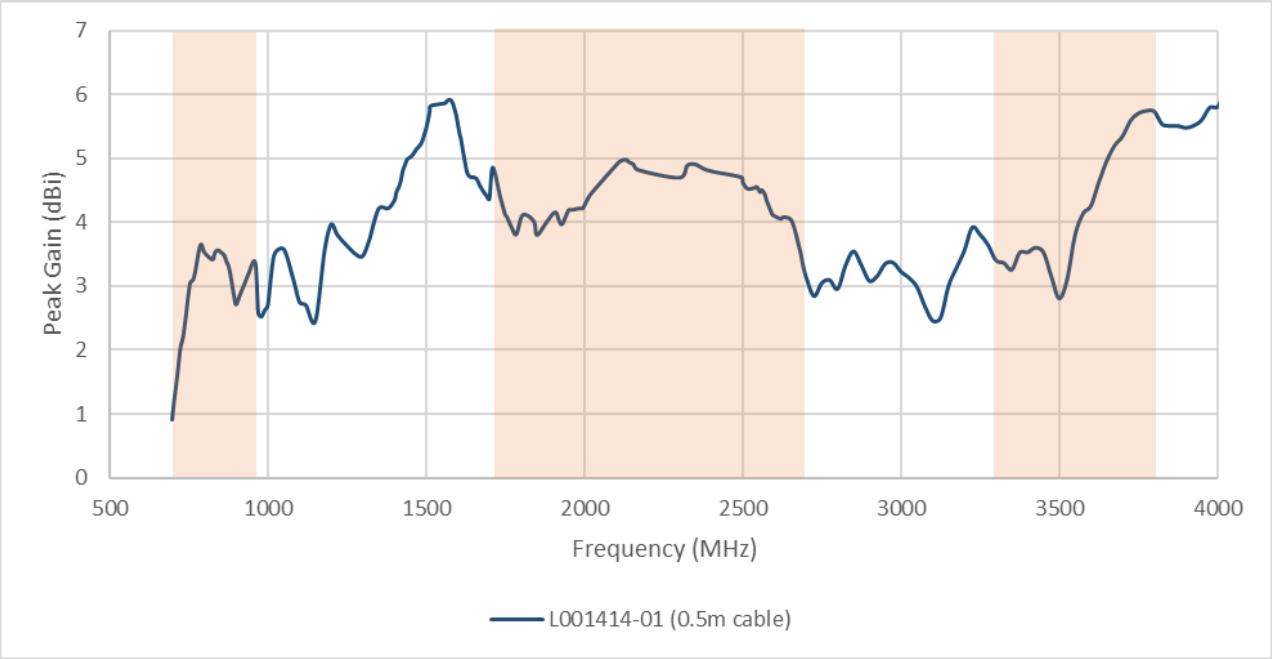
VSWR



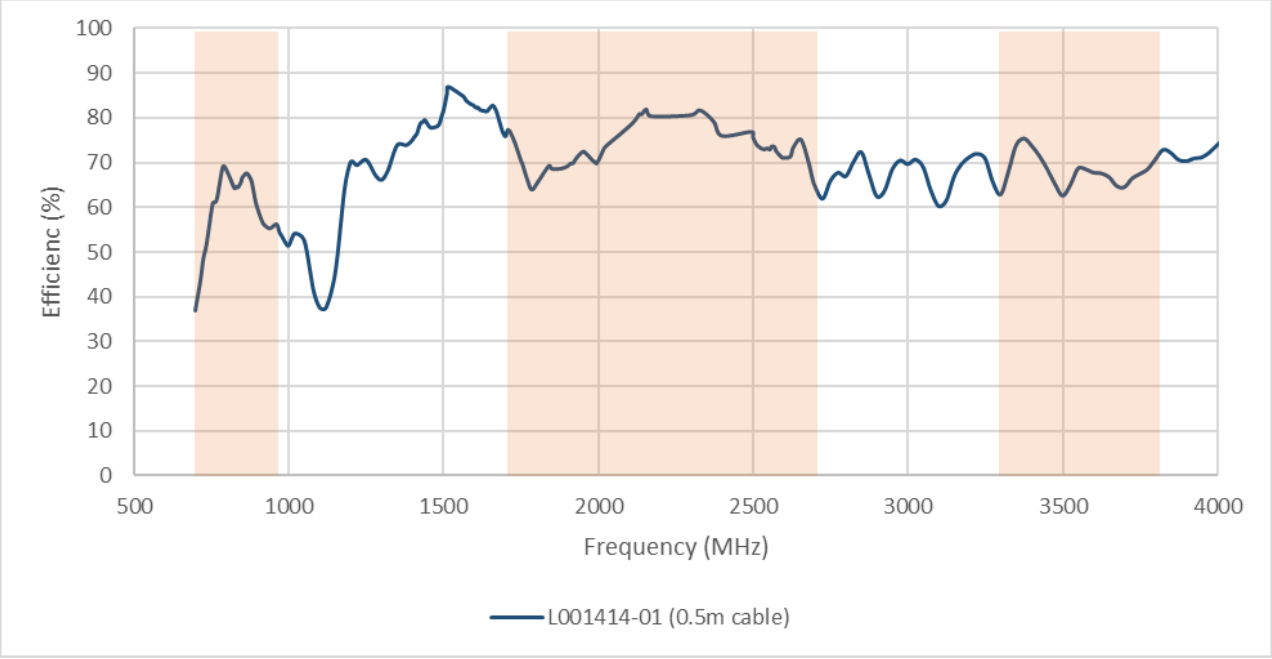
Data measured in free space application data may vary

RF DATA

Peak Gain

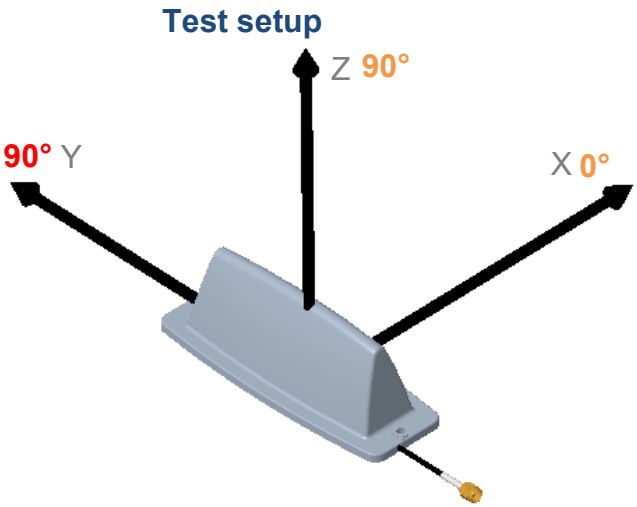


Efficiency

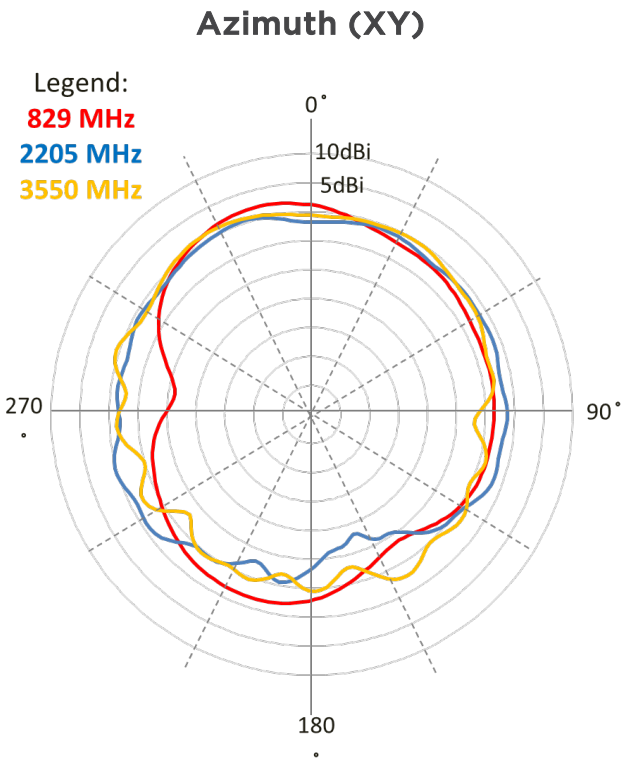


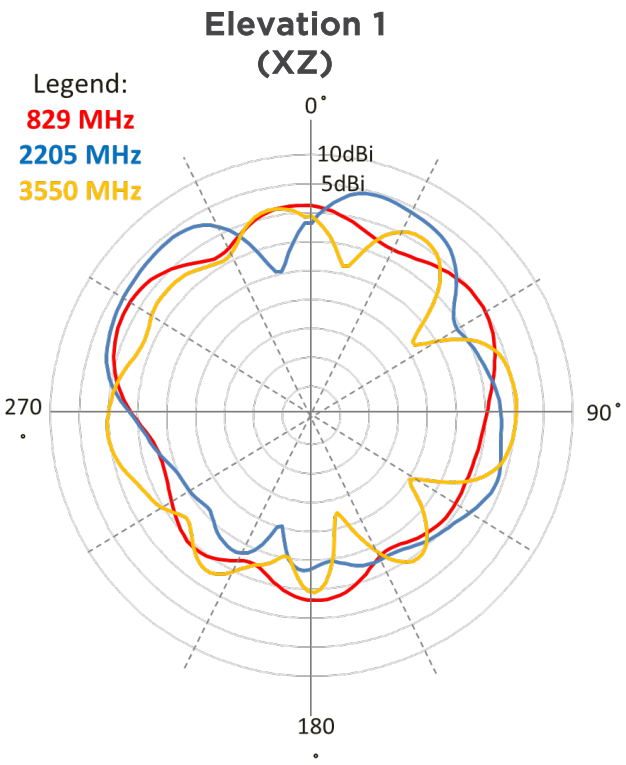
Data measured in free space application data may vary

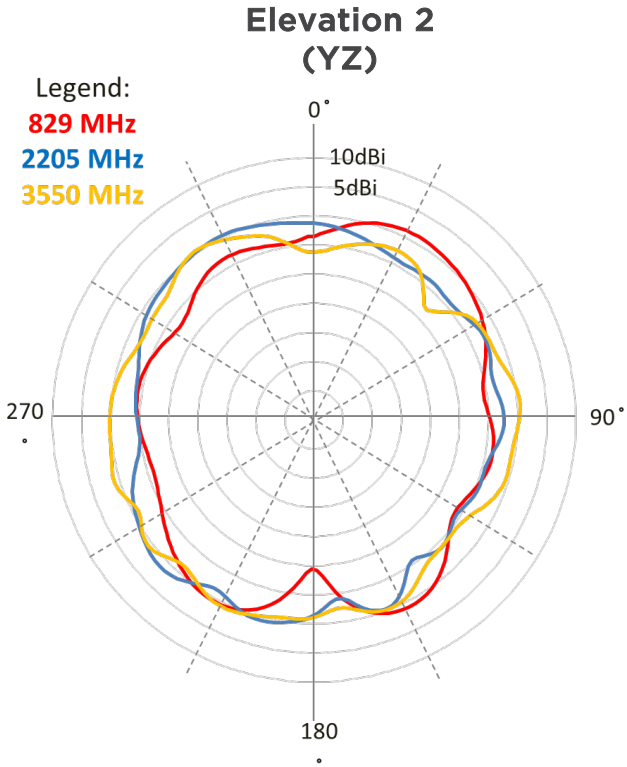
RADIATION PATTERNS



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

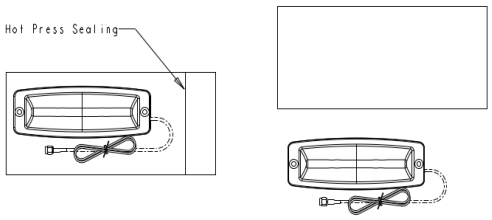




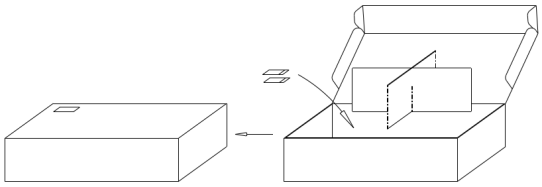


Data measured in free space application data may vary

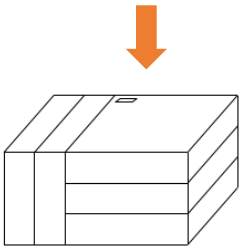
PACKAGING



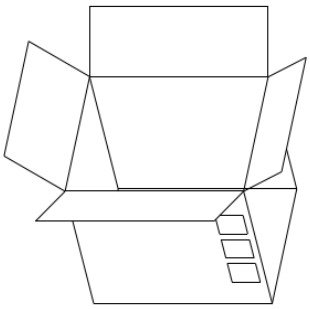
1PCS/Bubble Pack
Bubble Pack Dimension: 240 x 160 mm
Weight –100g



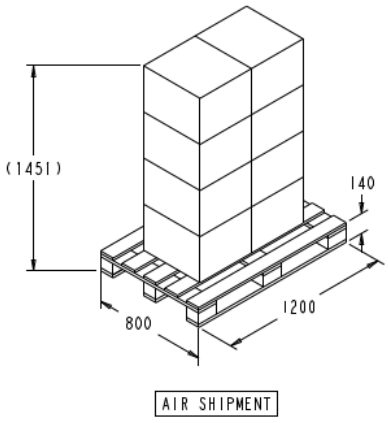
3PCS/Box Compartment (12PCS)
Unit Box Dimension: 380 x 260 x 90 mm
Weight –1.2kg

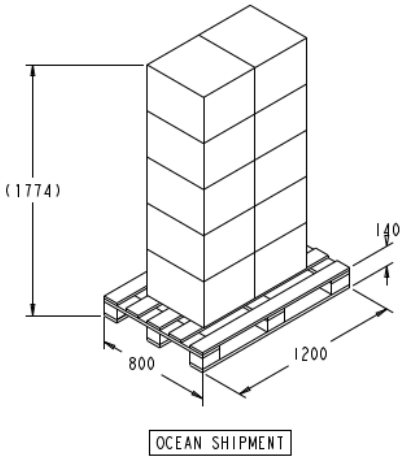


Arrange 5PCS Unit Box (60PCS)
Weight –6.0kg



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





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

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
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

te.com

02/26 Original