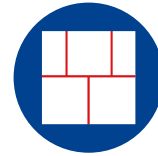


Data Sheet

HC3550U03-060

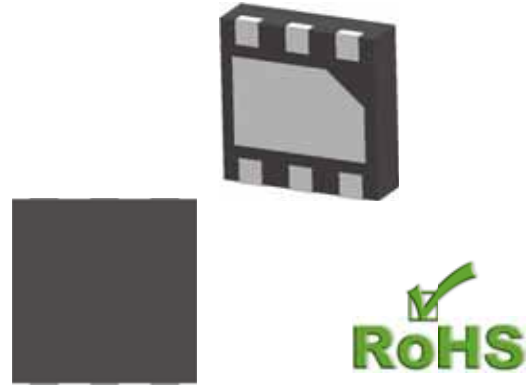
90 Degree Hybrid
3.30 GHz-3.80 GHz



Yantel
Key Patents Lead Microwave Tech

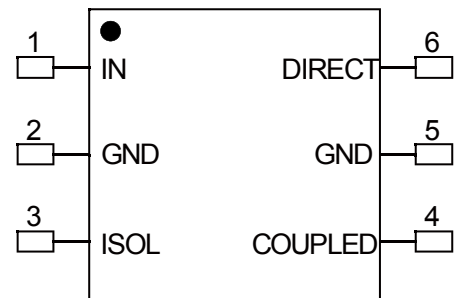
Features

- Small Size (2×2mm)
- Very Low Loss
- Tight Amplitude Balance
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Power handling
 - 4 Watts as a divider
 - 2 Watts as a combiner



Applications

- Phase shifter / Attenuator
- Balanced amplifier / LNA configurations
- Modulators
- Mixers
- Power combining /dividing



TOP VIEW

Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	3300		3800	MHz
Insertion Loss (Above 3dB)	I_L		0.35	0.4	dB
Isolation	Isol	20	25		dB
Phase balance	\varnothing_{bal}		± 1.0	± 2.0	deg
Amplitude balance	A_{bal}		± 0.5	± 0.75	dB
Return Loss	R_L	20	25		dB

Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

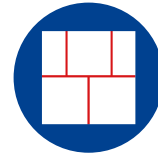
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

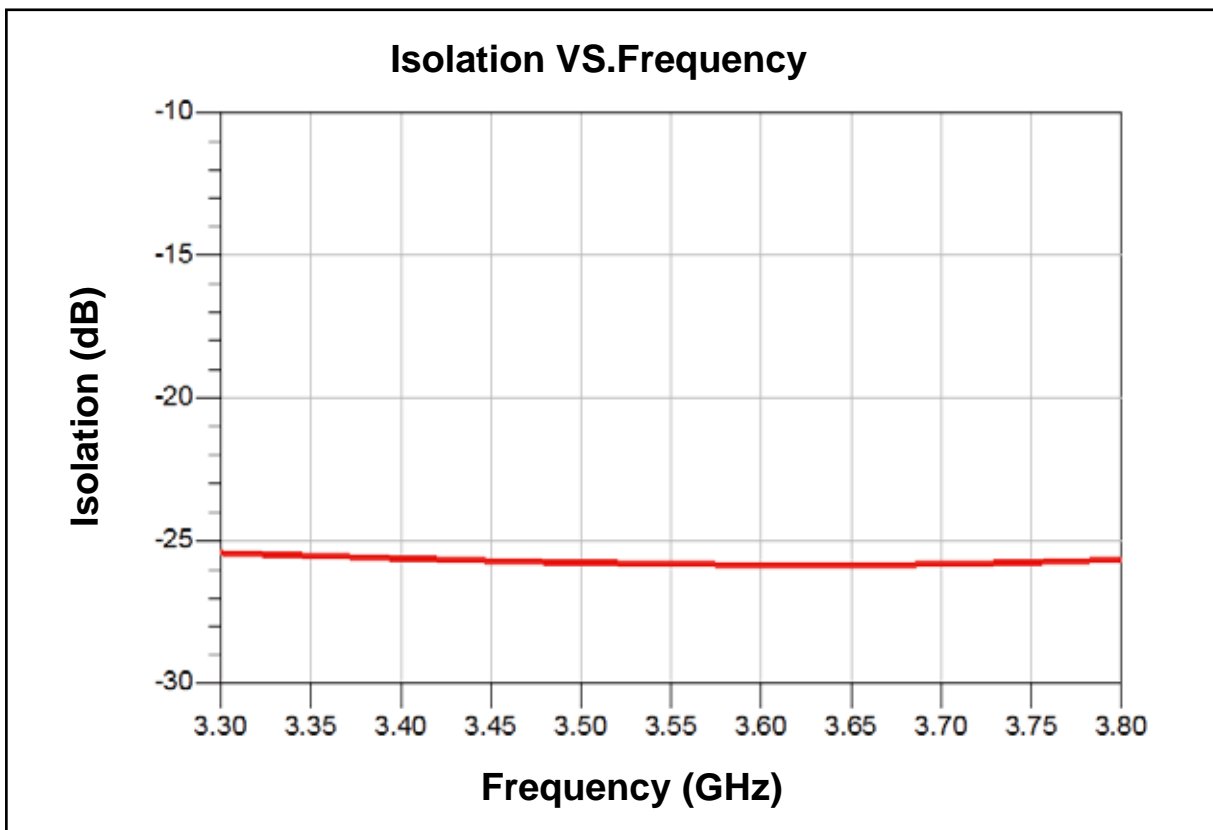
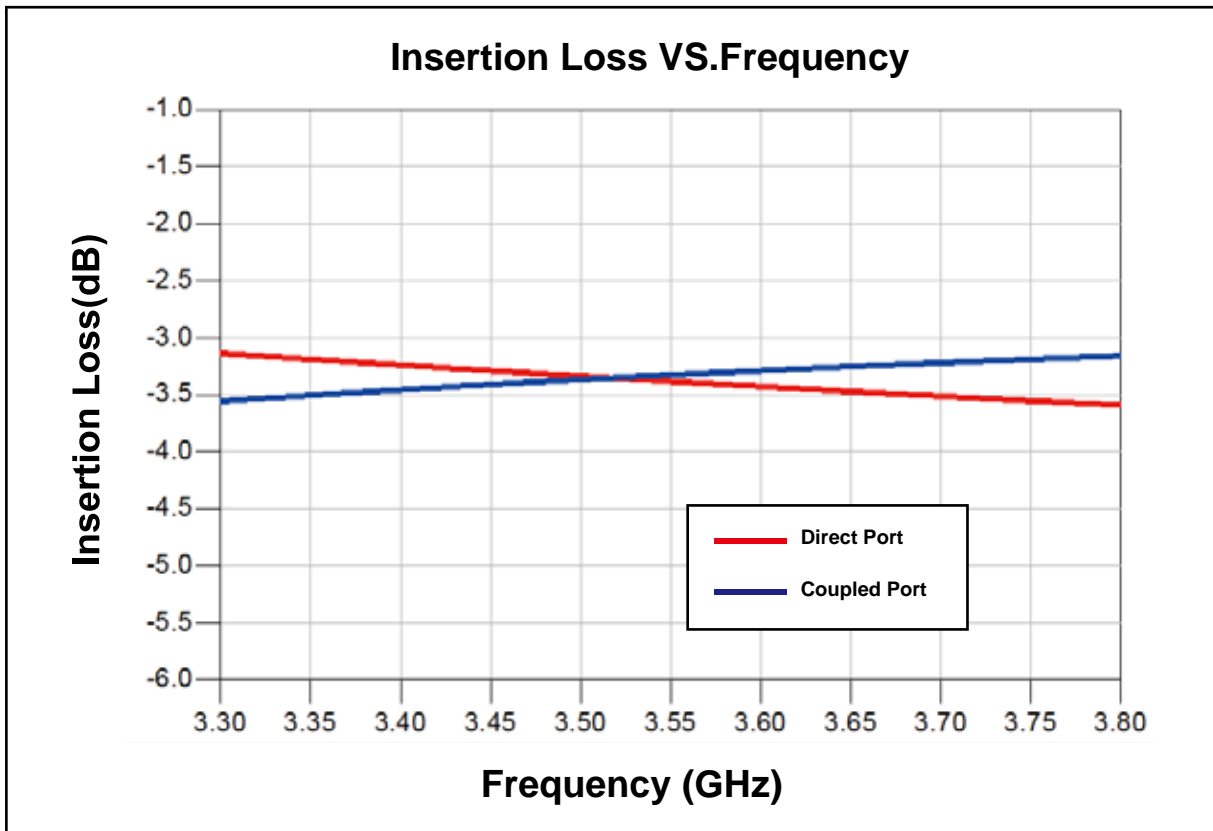
Data Sheet

HC3550U03-060

90 Degree Hybrid
3.30 GHz-3.80 GHz



Yantel
Key Patents Lead Microwave Tech



Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

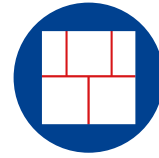
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

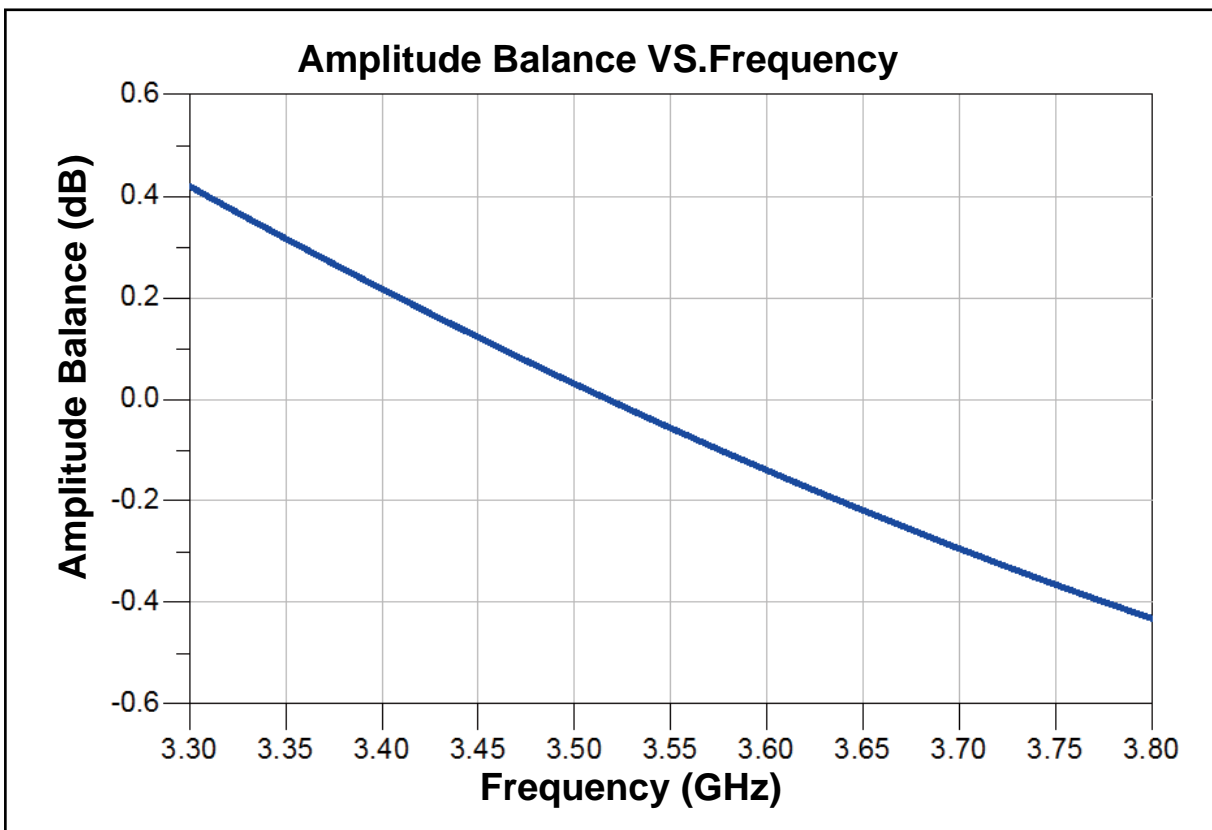
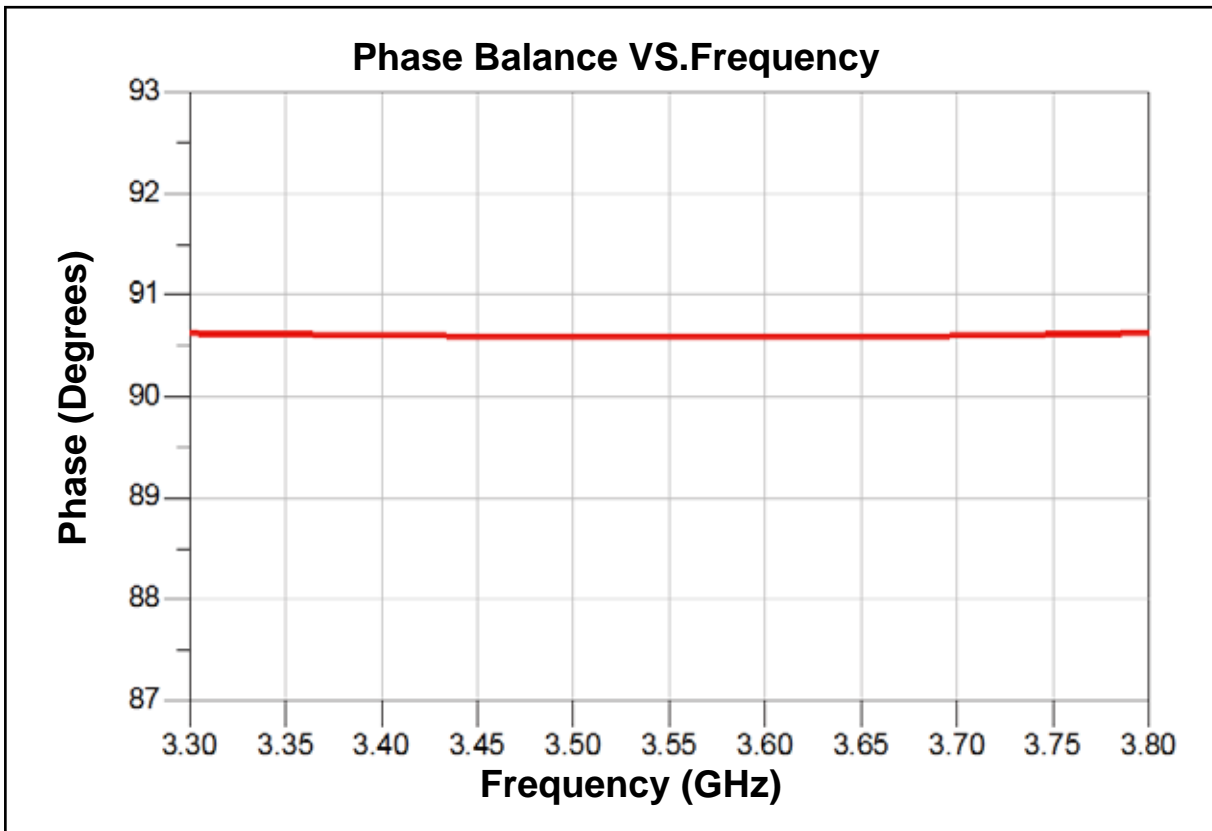
Data Sheet

HC3550U03-060

90 Degree Hybrid
3.30 GHz-3.80 GHz



Yantel
Key Patents Lead Microwave Tech



Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

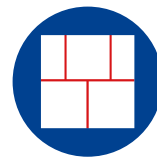
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

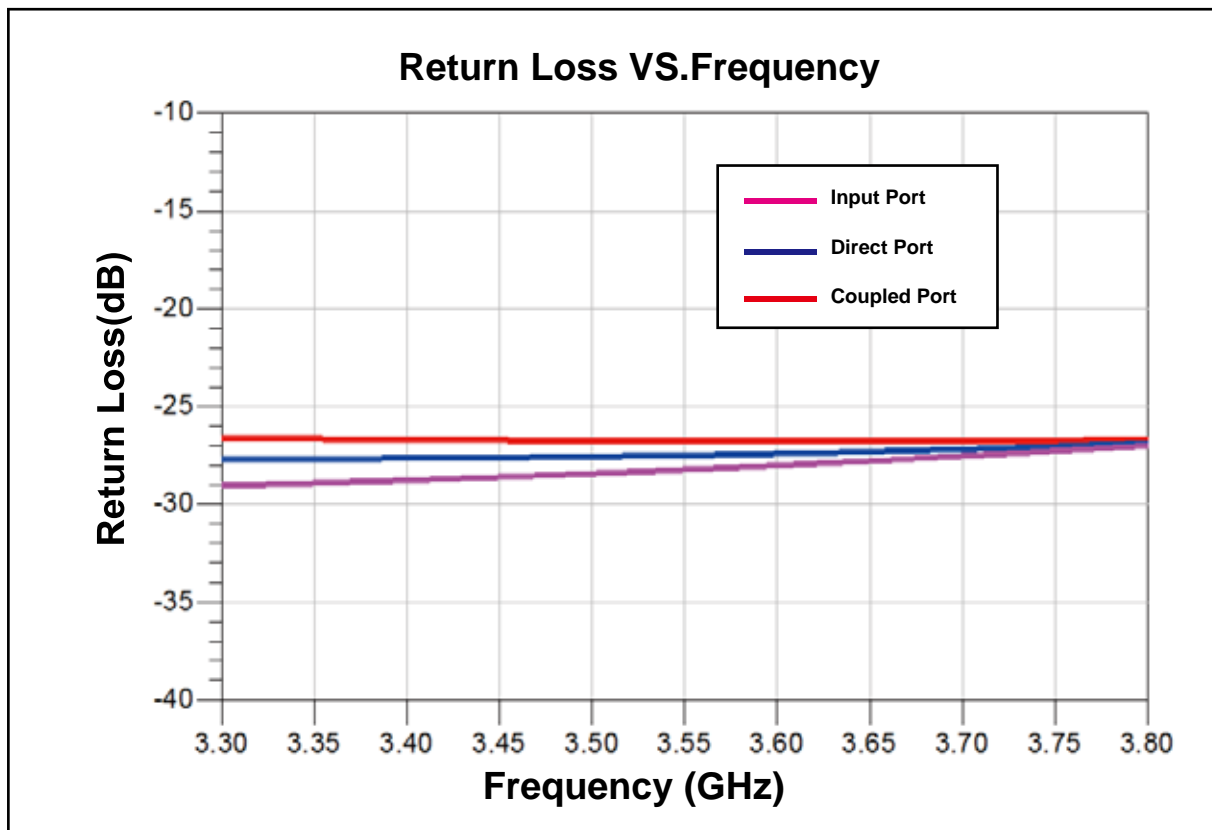
Data Sheet

HC3550U03-060

90 Degree Hybrid
3.30 GHz-3.80 GHz



Yantel
Key Patents Lead Microwave Tech



Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

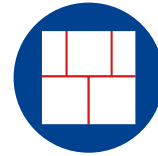
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

Data Sheet

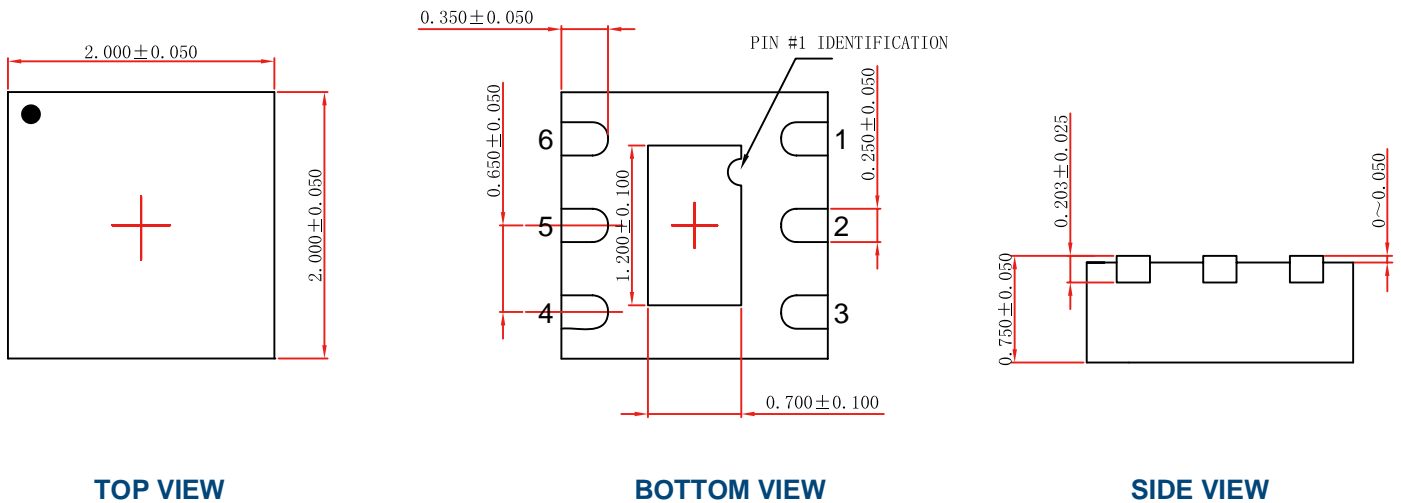
HC3550U03-060

90 Degree Hybrid
3.30 GHz-3.80 GHz

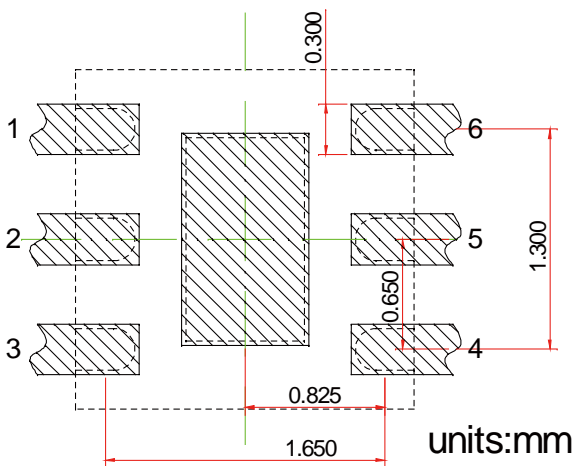


Yantel
Key Patents Lead Microwave Tech

Outline Drawing



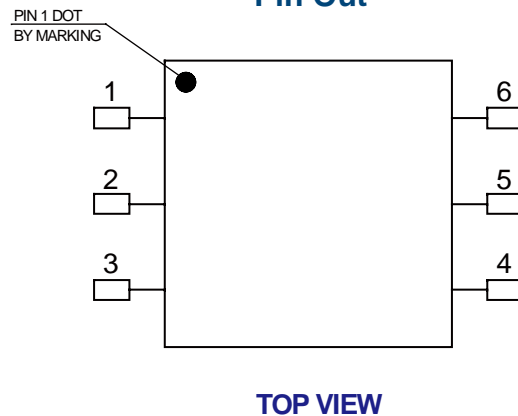
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



Pin #	Connection
1	IN
2	GND
3	ISOL
4	COUPLED
5	GND
6	DIRECT

Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com