



Specification Sheet
Dual Directional Coupler
Model: DDC30-2G4-NN
Item: 100259

Summary

The DDC30-2G4-NN is a high-power broadband dual directional coupler with exceptionally low loss and high directivity.

Electrical Specifications:

Main Line Configuration: N-type, female/female
(also available as male/female)

Coupled Port Configuration: N-type(f), internally terminated

Impedance: 50 ohm, all ports

Frequency: 2.0 – 4.0 GHz

CW Power @ 70°C > 600 watts

Peak Power > 10 kW

Coupling: 30 dB $\pm$ 1.0 dB max (0.8 dB typ.)

Insertion Loss < 0.15 dB max (< 0.06 dB typ.)

Directivity > 20 dB max (> 25 dB typ.)

Input VSWR < 1.20:1 max (< 1.13:1 typ.)

Mechanical and Environmental Specifications:

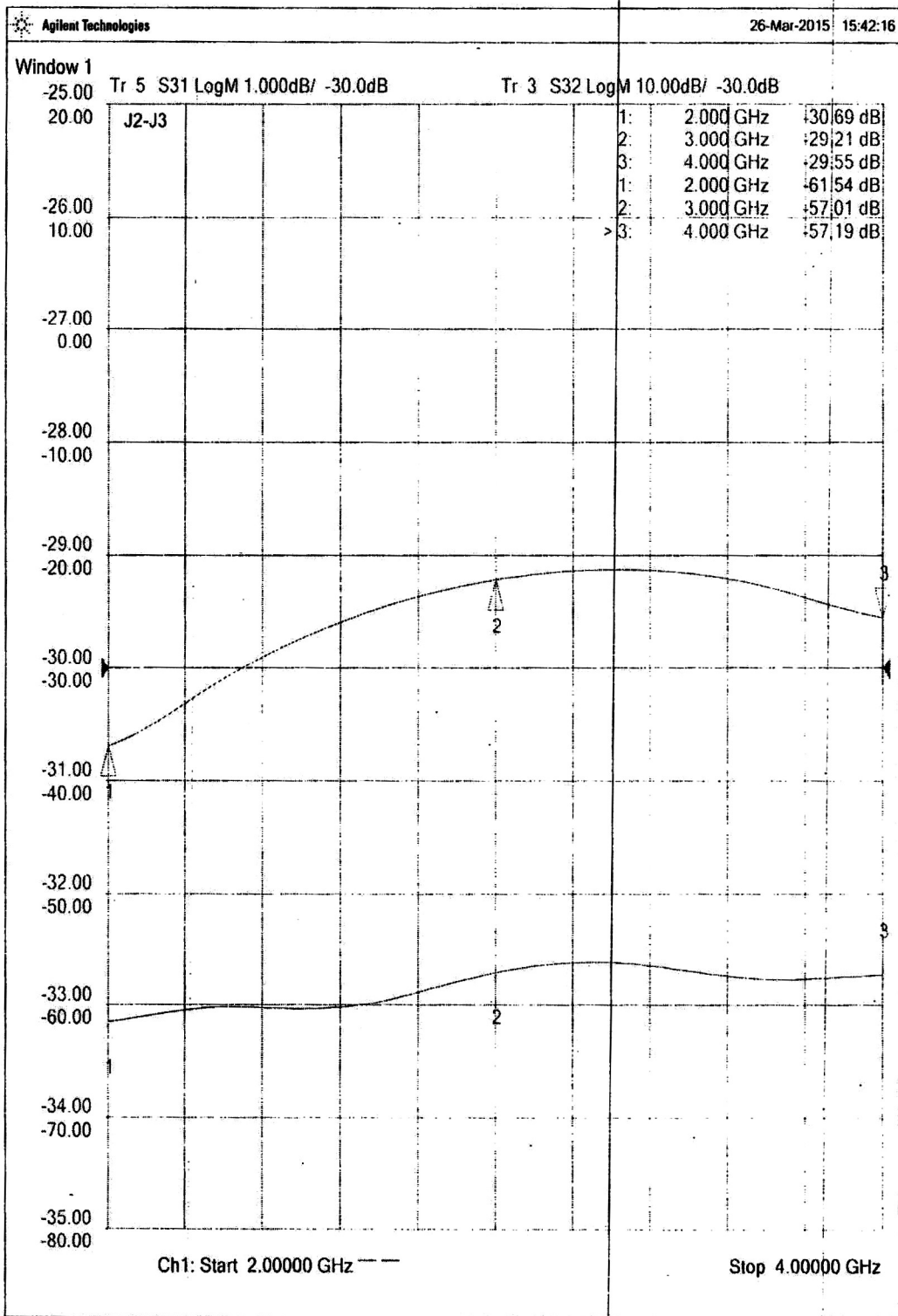
Maximum Continuous Operating Temperature: -55 to +120°C

Storage Temperature Range: -55 to +120°C

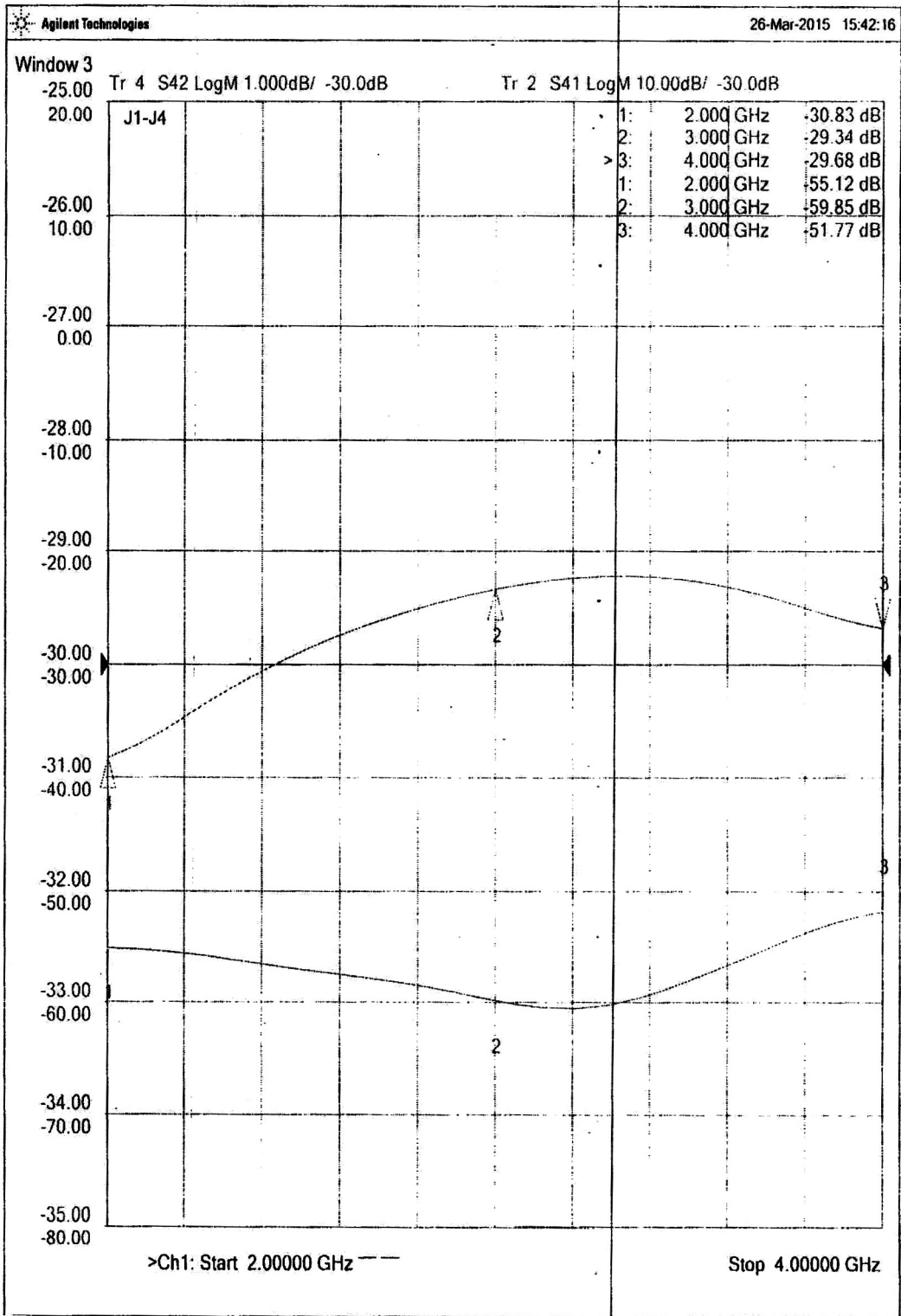
Corrosive Environments: Contact Distributed Elements

Size: See drawing

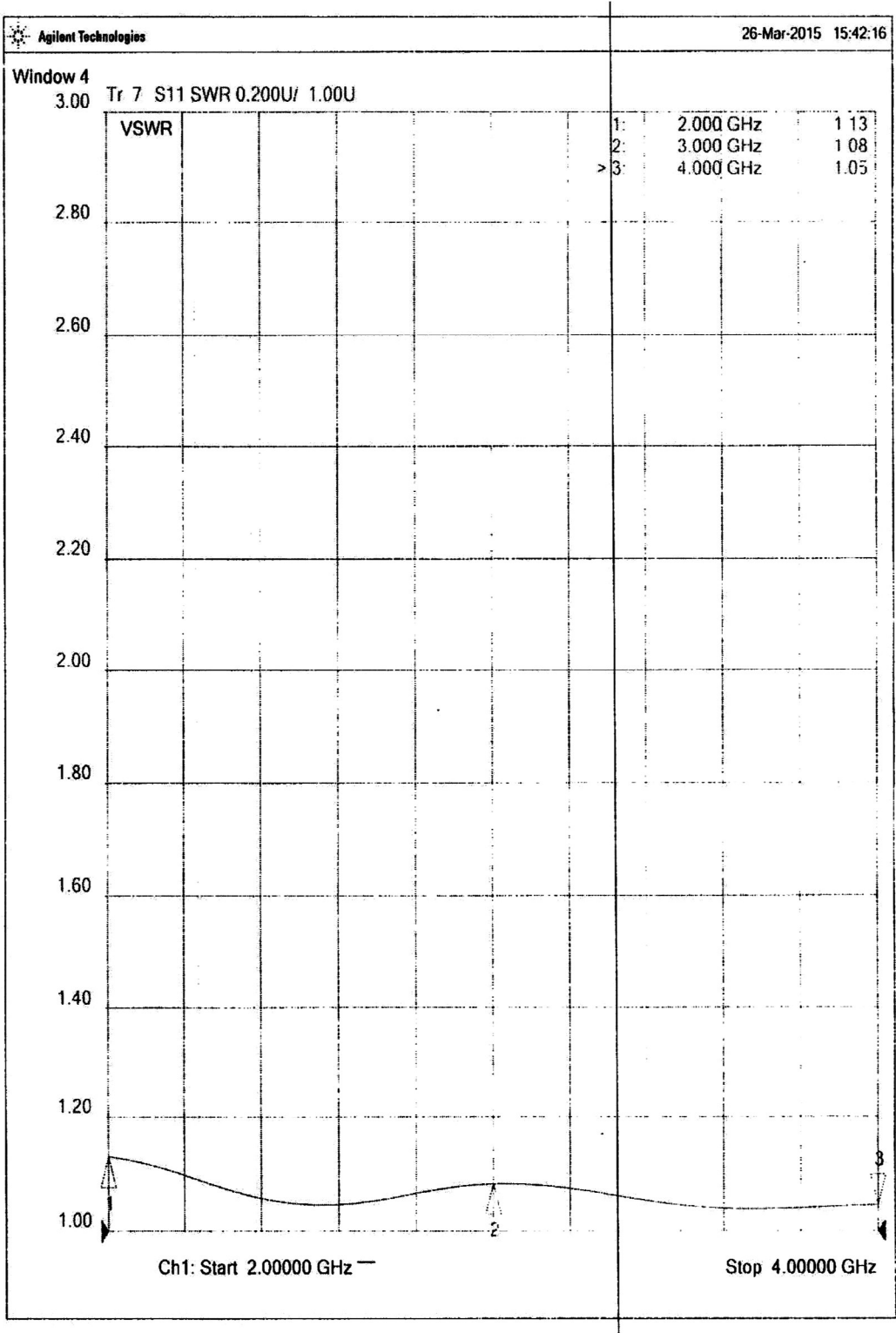
Compliance: RoHS



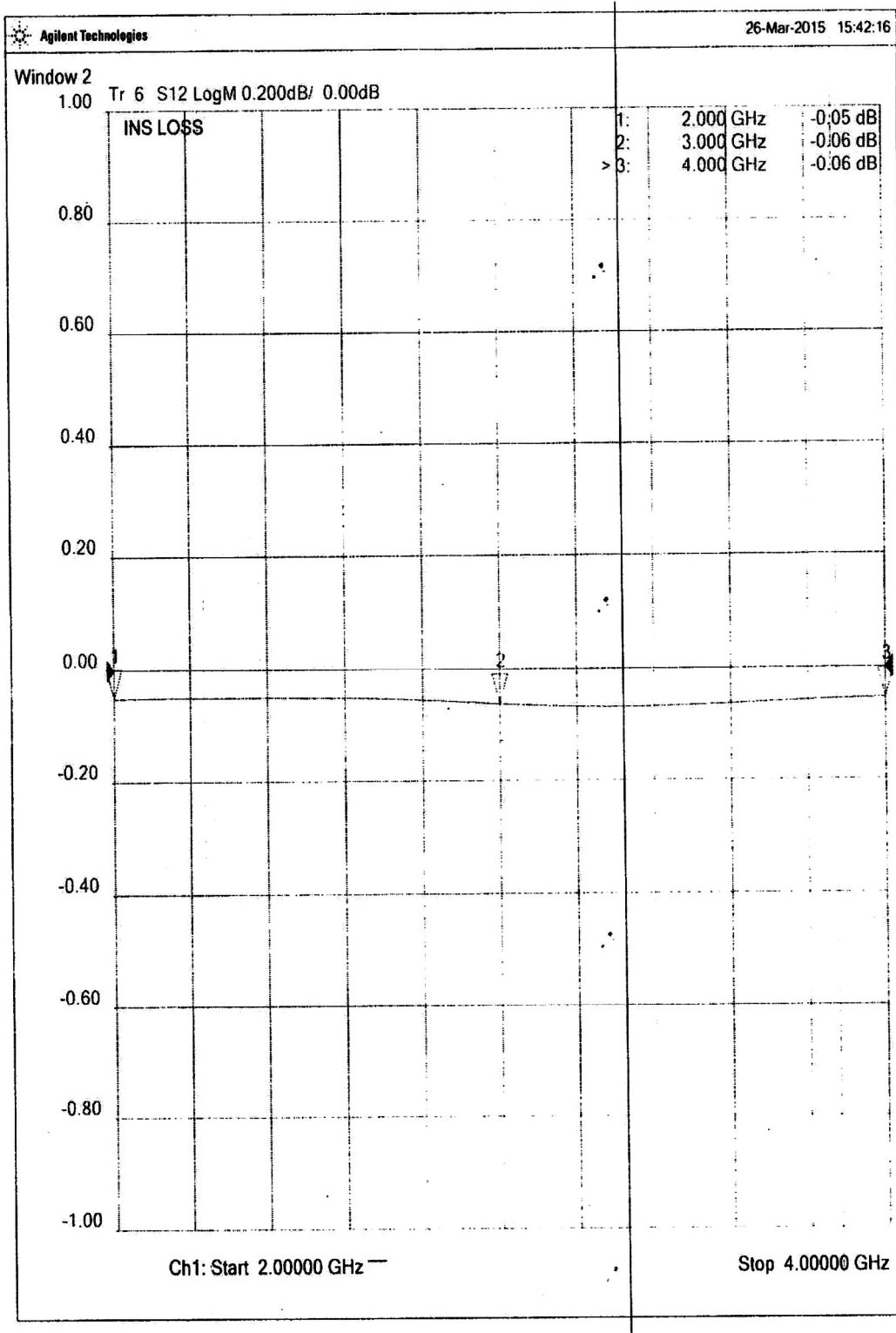
INCIDENT COUPLING & ISOLATION



REVERSE COUPLING & ISOLATION

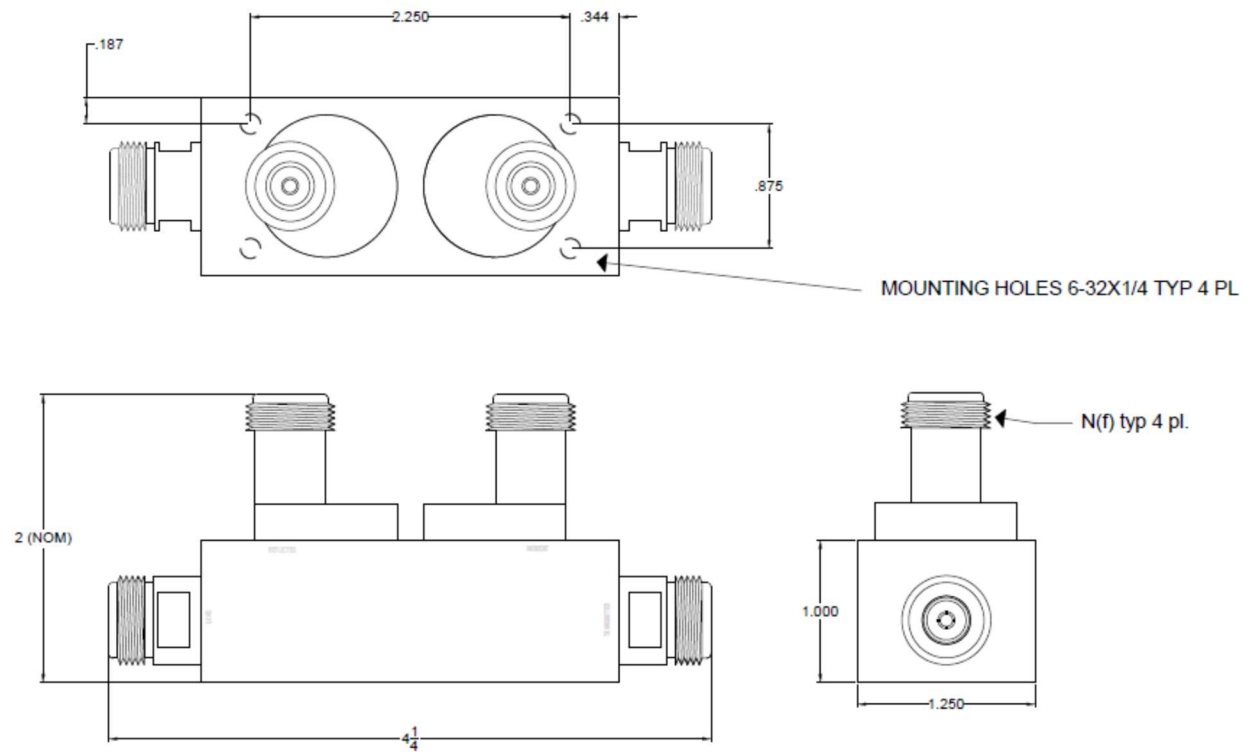


COUPLED PORT VSWR



INSERTION LOSS

Mechanical Drawing:



NOTE: All dimensions in inches.