

2.4 Technical Specifications

For a listing of the card's electrical specifications, see Table 1 below.

For a listing of the card's physical specifications, see Table 2 on page 20.

Table 1: Electrical Specifications
(measured at 25°C or 77°F, 50% R.H.)

Parameter	Specifications
ISOLATION DATA:	
Isolation resistance	100 000 M Ω
Metallic surge	3 kV maximum
Insulation voltage	50 kVrms (70 kV peak)
INPUT VOLTAGE REQUIREMENT	None
POWER DISSIPATION (loop sealing application)	<200mW for loop currents<50mA <5W for loop currents >50mA
POWER DISSIPATION (simplex sealing application)	None
TRANSMISSION DATA:	
Longitudinal balance (CO side)	>80 dB @ 60 Hz; >80 dB @ 300 to 3400 Hz
Echo return loss at either side with opposite side terminated at 600 or 900 Ω	Better than 15 dB
Signing return loss at either side with opposite side terminated at 600 or 900 Ω	Better than 10 dB
Crosstalk	Better than -77 dB from 300 to 3400 Hz measured at + 10 dBm
Maximum voice level	Up to + 10 dBm with less than 1% harmonic distortion
NOISE	
2 to 100 Hz	-60 dBm
Voice band (C weighted message)	< 5 dBrnC
Phase jitter	< 0.5°, 300 to 3400 Hz
Impulse noise	Less than 1 count above 48 dBrnC in 30 minutes
SIGNAL (900 Ω circuit, 0 dBm)	
Insertion loss @ 1 kHz	3 dB max
Insertion loss @ 100 kHz	1.5 dB max

Table 2: Physical Specifications

Parameter	Specifications
Operating temperature range	-20°C to +65°C (-4°F to +149°F)
Height	30.5 cm (12")
Width	5.0 cm (2")
Depth	18.9 cm (7-7/16")
Weight	0.8 kg (1.8 lbs)