

2.6 Technical Specifications

For 751325 electrical specifications, see Table 1 below and Table 2 on page 26.

For physical specifications see Table 3 on page 26

**Table 1: Electrical Specifications for 751325 POTS Portion
(measured at 25°C or 77°F, 50% R.H.)**

	Parameter	Specification
Isolation Data:	Isolation Resistance	100,000 M Ω
	Metallic Surge	1.5 kV max
	Insulation Voltage	50 kV _{rms} (70 kV peak)
Input Voltage Requirement:		-24 Vdc (-21 V to -27 V) default to -48 Vdc (-42 V to -54 V)
Input Power Requirement (-48 Vdc input):	On-hook (idle)	50 mA max
	Off-hook	60 mA max
	Ringling 1 phone	85 mA max
	Ringling 5 REN	200 mA max
Input Power Requirement (-24 Vdc input):	On-hook (idle)	65 mA max
	Off-hook	75 mA max
	Ringling 1 Phone	110 mA max
	Ringling 5 REN	250 mA max
On-hook:	CO Side Input Ringing Detection	40 V to 105 V _{rms} , 17 to 50 Hz
	Terminal Resistance (CO side)	$\geq 10 \text{ M}\Omega \pm 100 \text{ Vdc}$, $\geq 10 \text{ M}\Omega$ at $\pm 200 \text{ Vdc}$
Off-hook:	Minimum Loop Current (CO)	18 mAdc
	Maximum Loop Current (CO)	Current limiting at 29 mAdc
	Minimum Loop Current (Station)	Will detect off-hook down to 16 mAdc
	Maximum Loop Current (Station)	Current limiting at 26 mAdc
	Echo Return Loss	$\geq 20 \text{ dB}$ (600 Ω)
	Singing Return Loss	$\geq 15\text{dB}$ (600 Ω)

...continued

	Parameter	Specification
Ringing Generator Output (-48 Vdc input):	Maximum Output No Load	102 V _{rms} max
	Minimum Output (5 REN at the end of 400 Ω line)	58 V _{rms} min
Ringing Generator Output (-24 Vdc input):	Maximum Output No Load	103 V _{rms} max
	Minimum Output (5 REN at the end of 400 Ω line)	54 V _{rms} min

Table 2: Electrical Specifications for 751325 Data Portion (measured at 25°C or 77°F, 50% R.H.)

Parameter	Specification
Input Power Requirement	N/A
Power Dissipation	N/A
Insertion loss 25 kHz to 1.2 MHz:	<1.5 dB
Frequency Response (-3dB referenced to 500 kHz):	20 kHz to 5 MHz
Impedance	100 Ω

Table 3: Physical Specifications for 751325

Parameter	Specification
Operating temperature range	-20°C to +65°C (-4°F to +149°F)
Height	30.5 cm (12")
Width	7 cm (2.75")
Depth	18.9 cm (7-7/16")
Weight	<1.4 kg (3 lbs)