

2.4 Technical Specifications

- For electrical specifications for model 751340R2, see Table 5 on page 21.
- For electrical specifications for model 751340SP, see Table 6 on page 22.
- For physical specifications, see Table 4 on page 21.

Table 4: Physical Specifications for 751340R2 and 751340SP

Parameter	Specification
Operating Temperature Range	-20°C to 65°C (-4°F to 149°F)
Height	30.5 cm (12")
Width	5.1 cm (2")
Depth	18.9 cm (7-7/16")
Weight	1.6 kg (3.5 lbs)

**Table 5: Electrical Specifications for 751340R2
(measured at 25°C or 77°F, 50% R.H.)**

	Parameter	Specification
Isolation Data:	Isolation Resistance	100,000 MΩ
	Metallic Surge	3 kV maximum
	Insulation Voltage	50 kV _{rms} (70 kV peak)
Input Voltage Requirement:		None
Transmission Data:	Longitudinal Balance (CO side)	> 80 dB at 60 Hz
	Return Loss (at either side with opposite side terminated at 135Ω)	> 25 dB, 2.5 kHz to 350 kHz
Signal:	Insertion Loss at 100 kHz	< 0.5 dB
	Frequency Response	-1 dB at 2.5 kHz, 300 kHz -3 dB at 1.5 kHz, 650 kHz
	Total Harmonic Distortion at 22 dBm, 10 kHz	< -70 dB
Power:	Power Dissipation (HDSL2)	2 W
	Power Dissipation (HDSL4)	2 W
	Power Consumption (HDSL2)	0 W
	Power Consumption (HDSL4)	0 W

**Table 6: Electrical Specifications for 751340SP
(measured at 25°C or 77°F, 50% R.H.)**

	Parameter	Specification
Isolation Data:	Isolation Resistance	100,000 MΩ
	Metallic Surge	3 kV maximum
	Insulation Voltage	50 kV _{rms} (70 kV peak)
Input Voltage Requirement:		-48 Vdc (-42 Vdc to -54 Vdc)
Output Voltage:	HTU-R Span Power	- 120 Vdc
Transmission Data:	Longitudinal Balance (CO side)	> 80 dB at 60 Hz
	Return Loss (at either side with opposite side terminated at 135 Ω)	> 25 dB, 2.5 kHz to 350 kHz
Signal:	Insertion Loss at 100 kHz	< 0.5 dB
	Frequency Response	-1 dB at 2.5 kHz, 300 kHz -3 dB at 1.5 kHz, 650 kHz
	Total Harmonic Distortion at 22 dBm, 10 kHz	< -70 dB
Power:	Power Dissipation (HDSL2)	<ul style="list-style-type: none"> ■ 2 W (add 2 W when in current mode and connected to an SP card) ■ 2 W (add 1 W when in voltage mode and connected to an HTU-R)
	Power Dissipation (HDSL4)	<ul style="list-style-type: none"> ■ 4 W (add 2 W when in current mode) ■ 4 W (add 1 W when in voltage mode)
	Power Consumption (HDSL2) based on a typical HTU-R consumption	<ul style="list-style-type: none"> ■ 4 W at 190 Vdc in current mode ■ MAX 10 W when in voltage mode
	Power Consumption (HDSL4) based on a typical HTU-R consumption	<ul style="list-style-type: none"> ■ 4 W at 190 Vdc in current mode ■ 10 W when in voltage mode (on one of the two cards)