

2.4 Technical Specifications

- For physical specifications, see Table 4 on page 21.
- For electrical specifications for model 751339R2, see Table 5 on page 21.
- For electrical specifications for model 751339SP, see Table 6 on page 22.

Table 4: Physical Specifications for 751339R2 and 751339SP

	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 751339R2
(measured at 77°F or 25°C, 50% R.H.)**

		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 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)	2 W
	Power Dissipation (HDSL4)	4 W
	Power Consumption (HDSL2)	0 W
	Power Consumption (HDSL4)	0 W

**Table 6: Electrical Specifications for 751339SP
(measured at 77°F or 25°C, 50% R.H.)**

		Specification
Isolation Data:	Isolation Resistance	100,000 M Ω
	Metallic Surge	3 kV maximum
	Insulation Voltage	50 kV _{rms} (70 kV peak)
Input Voltage Requirement:	HTU-R Span Power	129 Vdc - 190 Vdc
751339SP Input Voltage:		- 42 Vdc to - 54 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)	■ 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)	■ 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	■ 4 W at -48 Vdc in current mode
		■ MAX 13 W when in voltage mode
Power Consumption (HDSL4) based on a typical HTU-R consumption	■ 4 W at -48 Vdc in current mode	
	■ 13 W when in voltage mode	