

DOBLE PROTECTION TESTING

F8895

Satellite Receiver Antenna

SYNCHRONIZES DOBLE F8000-SERIES
POWER SYSTEM SIMULATORS TO SATELLITE
TIME SIGNALS FOR END-TO-END TESTING



Use the F8895 Satellite Receiver Antenna for GPS time synchronized tests that verify communication integrity between relays at different ends of a protected element.

The F8895 connects via TNC cable to the GPS port on the Command Module of your F8000-series Power System Simulator to enable common time signal sharing with other F8895-connected F8200/F8300 users in your end-to-end test scheme.

FEATURES

- Active antenna with built-in LNA (low-noise amplifier)
- Multi-GNSS: Supports GPS, Galileo, Beidou and GLONASS satellite constellations
- High-gain, low noise, high out-of-band rejection
- Built-in lightning protection that meets/exceeds IEC 61000-4
- Ruggedized IP67 enclosure withstands extreme environmental conditions

F8895 Satellite Receiver Antenna Technical Data

Overall	Frequency Range	L1: 1561 ~ 1602 MHz		
	Peak Gain	1561 MHz	34.0 ± 3.0 dB	
		1575.42 MHz	35.4 ± 3.0 dB	
		1602 MHz	33.5 ± 3.0 dB	
	Output VSWR	2.5 typical		
	Noise Figure	3.5 dB typical (Pre-Saw)		
	Operation Voltage	3.0 ~ 5.0 V		
Current	9.0 ± 3.0 mA			
Filter / LNA	Frequency Range	L1: 1561 ~ 1602 MHz		
	Gain	1561 MHz	30.0 ± 3.0 dB	
		1575.42 MHz	31.0 ± 3.0 dB	
		1602 MHz	29.0 ± 3.0 dB	
	Output VSWR	2.2 Typ.		
	Noise Figure	2.0 dB typ.		
	Filter Out Band Attenuation	F1 = 1561 MHz	F1 - 50 MHz	> 30 dB
			F1 - 100 MHz	> 40 dB
		F2 = 1602 MHz	F2 + 50 MHz	> 30 dB
			F2 + 100 MHz	> 40 dB
Operation Voltage	3.0 ~ 5.0 V			
Current	9.0 ± 3.0 mA			
ESD	IEC 61000-4-2			
Environmental, Quality, and Reliability	Operating Temperature	-40 °C to + 90 °C		
	Storage Temperature	-40 °C to + 90 °C		
	Anti-Corrosion	JIS Z 2371, Spray 5% Salt Water 35 °C		
	Maximum Humidity	85%		
	MTBF	>500K Hours		
	RoHS Compliant	Lead-free		
	Green	Halogen-free		
	VO Flammability Rated			
	ETSI-RED Compliant			
	IPX7 Compliant	Weatherproof		
Certifications	FCC, CE, Industry Canada (IC)			
General	Antenna Dimensions	D: 3.05 inches (77.5 mm)		
		H: 2.61 inches (66.2 mm)		
	Antenna Weight	6.42 ounces (182g)		
	Package	1 x F8895 Antenna, 3 - 5 V, TNC, 31 dB Gain		
		1 x Antenna Mount Assembly		
1 x Extendable Tripod for F8895 Antenna				
1 x TNC F - M Cable, 50 Ohm, 82 foot (25 meter)				
	1 x TNC - SMA Adapter, 50 Ohm, 3 GHz			
	1 x Carrying Bag Set			



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Specifications are subject to change without notice.
 Doble is an ISO 9001 & ISO/IEC 17025 & 17034 Certified Company.
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 PUBLISHED: JULY, 2023