

VHF/UHF/L-BAND S65-8282-123

AM/FM



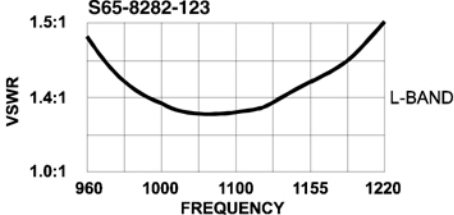
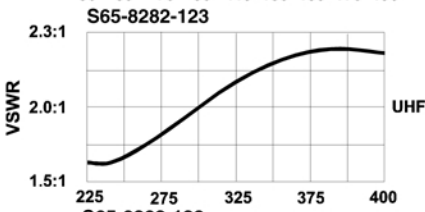
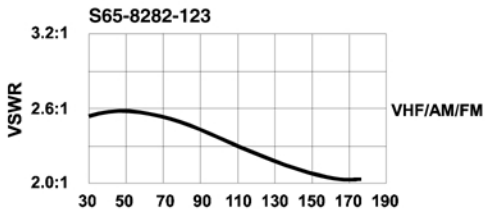
DESCRIPTION

S65-8282-123: For speeds up to Mach 1.0 with low drag. Designed for use with AN/ARC-182 or similar VHF/AM/FM/UHF/L-Band transmitters at 30-88/108-174/225-400/960-1220 MHz. Provides low VSWR over operating band. The antenna operates at 100 watts CW from 30-88 MHz, 108-174 MHz and 225-400 Mhz. Six-hole bolt pattern. Interchangeable with Collins 37R-2U or similar. Hermetically sealed. Designed for universal mounting. Ideal for antenna replacement in existing systems where a multi frequency antenna is required.

FEDERAL & MILITARY SPECS: DO-160A, MIL-A-7772, MIL-E-5272, MIL-E-5400, TSO-C37d, TSO-C38d, TSO-C74c, C66b, TSO-C59, TSO-C112.

NSN: 5985-01-579-6711

PERFORMANCE



SPECIFICATIONS	VHF/FM	VHF/AM	UHF	L-BAND
MODEL	S65-8282-123			
ELECTRICAL				
Frequency	30-88 MHz	108-174 MHz	225-400 MHz	960-1220 MHz
VSWR	≤2.6:1	≤2.3:1		≤2.0:1
Pattern	Omni/Az; Cos/EI			
Polarization	Vertical			
Impedance	50 ohms			
Power	100 watts			4000 Watts Pk.
Lightning Protection	DC grounded			
MECHANICAL				
Weight	2.5 lbs.			
Height	11.85 in.			
Material	A356 Aluminum Alloy/Fiberglass			
Finish	Skydrol-resistant enamel			
Connector	TNC Female			N Female
Drag	Mach .85 @ 35,000 ft. - 1.0 lbs.			
ENVIRONMENTAL				
Side Load	6 psi			
Temperature	-55°C (-67°F) to +85°C (+185°F)			
Vibration	10 Gs			
Altitude	60,000 ft.			

