

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

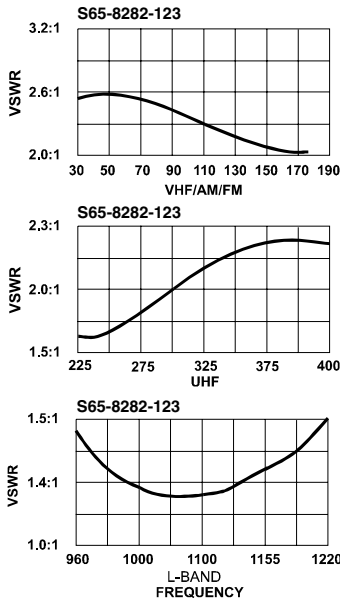


DESCRIPTION

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-C37b, TSO-C38b, TSO-C74c, C66b, TSO-C59.

PERFORMANCE



SPECIFICATIONS

	VHF/FM	VHF/AM	UHF	L-BAND
S65-8282-123				
ELECTRICAL				
Frequency	30-88 MHz	108-174 MHz	225-400 MHz	960-1220MHz
VSWR	2.6:1	2.3:1	2.3:1	1.5:1
Pattern	Omni/Az	Omni/Az	Omni/Az	Omni/Az
	Cos/EI	Cos/EI	Cos/EI	Cos/EI
Polarization	Vertical	Vertical	Vertical	Vertical
Impedance	50 ohms	50 ohms	50 ohms	50 ohms
Power	100 w/cont	100 w/cont	100 w/cont	1000 w/pk
Lightning Protection	DC grounded			
MECHANICAL				
Weight	2.5 lbs.			
Height	11.85 in.			
Material	Polyfilm / AL-A356-T61 / glass			
Finish	Skydrol resistant enamel			
Connector	TNC			N
Drag	1.0 lb. Mach .85 @ 35,000 ft.			
ENVIRONMENTAL				
Side Load	6 psi			
Temperature	- 67° F to +185 ° F			
Vibration	10G's			
Altitude	60,000 ft.			

OUTLINE DRAWING

