

# VHF/UHF/L-BAND AM/FM S65-8282-120

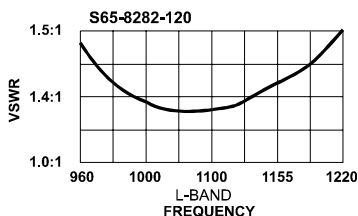
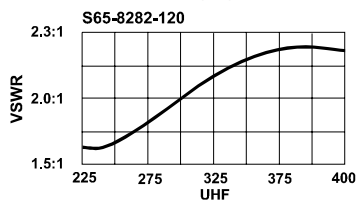
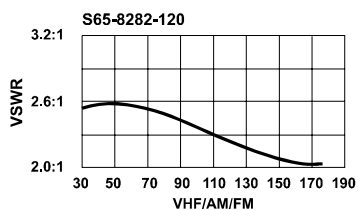


## DESCRIPTION

**S65-8282-120:** 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. 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, C66c(b), TSO-C59, TSO-C112.

## PERFORMANCE



## SPECIFICATIONS

	VHF/FM	VHF/AM	UHF	L-BAND
<b>S65-8282-120</b>				

### ELECTRICAL

<b>Frequency</b> .....	30-88 MHz	108-174 MHz	225-400 MHz	960-1220MHz
<b>VSWR</b> .....	2.6:1	2.3:1	2.3:1	1.5:1
<b>Pattern</b> .....	Omni/Az	Omni/Az	Omni/Az	Omni/Az
	Cos/EI	Cos/EI	Cos/EI	Cos/EI
<b>Polarization</b> .....	Vertical	Vertical	Vertical	Vertical
<b>Impedance</b> .....	50 ohms	50 ohms	50 ohms	50 ohms
<b>Power</b> .....	40 w/cont	40 w/cont	100 w/cont	1000 w/pk
<b>Lightning Protection</b> .....	DC grounded			

### MECHANICAL

<b>Weight</b> .....	2.5 lbs.			
<b>Height</b> .....	11.85 in.			
<b>Material</b> .....	Polyfilm / AL-A356-T61 / glass			
<b>Finish</b> .....	Skydrol resistant enamel			
<b>Connector</b> .....	TNC			N
<b>Drag</b> .....	1.0 lb. Mach .85 @ 35,000 ft.			

### ENVIRONMENTAL

<b>Side Load</b> .....	6 psi			
<b>Temperature</b> .....	- 67°F to +185°F			
<b>Vibration</b> .....	10G's			
<b>Altitude</b> .....	60,000 ft.			

## OUTLINE DRAWING

