



### DESCRIPTION

**S65-8282-512:** A low-drag VHF/UHF blade antenna capable of speeds up to Mach .85. Frequency range from 30 to 512 MHz for use with Collins ARC-210, Raytheon ARC-231, Rohde & Schwarz M3AR 6000, Harris AN/PRC 117 and similar radios. Provides low VSWR throughout operating band. 100 watt power handling capability. Hermetically sealed with stainless steel shield on leading edge. Base has six-hole bolt pattern for universal mounting. Interchangeable with Collins 37R-2U and similar antennas.

NSN: 5985-01-593-7734

FEDERAL & MILITARY SPECS: FAA TSO C37b, C38b, MIL-HDBK-5400, MIL-E-5272C, MIL-A-7772B (ASG).

SPECIFICATIONS			
<b>MODEL</b>	<b>S65-8282-512</b>		
<b>ELECTRICAL</b>	<b>VHF/FM</b>	<b>VHF/AM</b>	<b>UHF</b>
<b>Frequency</b>	30-88 MHz	108-174 MHz	225-512 MHz
<b>VSWR</b>	≤2.6:1	≤2.3:1	
<b>Pattern</b>	Omnidirectional in Azimuth Cosinusoidal in Elevation		
<b>Polarization</b>	Vertical		
<b>Impedance</b>	50 Ohms		
<b>Gain</b>	30 MHz: -21dBi, 88 MHz: -13 dBi 108 MHz: -12dBi, 118 MHz: -8 dBi 136 MHz: -2dBi, 174 MHz: 0 dBi 225 MHz: -1dBi, 400 MHz: 0 dBi 512 MHz: -4dBi		
<b>Power</b>	100 Watts		
<b>Lightning Protection</b>	DC Grounded		
MECHANICAL			
<b>Weight</b>	2.5 lbs.		
<b>Height</b>	11.85 in.		
<b>Length</b>	10.87 in.		
<b>Width</b>	3.25 in.		
<b>Material</b>	A356-T61 Aluminum Alloy Fiberglass / Stainless Steel		
<b>Finish</b>	Skydrol Resistant Polyurethane Enamel		
<b>Connector</b>	TNC Female		
<b>Drag</b>	1.0 lbs @ M.85 @ 35,000 ft.		
ENVIRONMENTAL			
<b>Side Load</b>	6 psi		
<b>Temperature</b>	-55°C (-67°F) to +85°C(+185°F)		
<b>Vibration</b>	10 Gs		
<b>Altitude</b>	60,000 ft		

### PERFORMANCE

