



DESCRIPTION

S65-8282-147: UHF/L-band combination antenna for JTRS and similar radios in a compact design.

UHF frequencies cover 225 to 512 MHz and the L-band from 800 to 2650 MHz. Expanded L-band section supports Quad GSM, 802.11b/g, Link 16, TTNT and IFF TACAN as well as JTRS SRW, AMF-SA.

At 7 1/2 inches tall the small blade design exhibits very low drag co-efficient for aircraft reaching speeds over Mach 1.0. Designed for current generation fighter aircraft maximum flight envelopes.

The baseplate features a six-hole bolt pattern which is interchangeable with Collins 37R-2U and similar antennas.

FEDERAL & MILITARY SPECS: MIL-STD-810, DO-160E, MIL-A-7772, MIL-E-5400, MIL-E-5272.

SPECIFICATIONS		
MODEL	S65-8282-147	
ELECTRICAL	UHF	L-BAND
Frequency	225-512MHz	800-2650 MHz
VSWR	≤2.3:1	≤2.0:1
Pattern	Omnidirectional in Azimuth Cosinusoidal in Elevation	
Polarization	Vertical	
Impedance	50 Ohms	
Power	100 Watts	4000 Watts Peak
Lightning Protection	DC Grounded	
MECHANICAL		
Weight	1.4 lbs.	
Height	7.50 ins.	
Length	10.87 in.	
Width	3.25 in.	
Material	A356-T61 Aluminum Alloy / Fiberglass	
Finish	Skydrol Resistant Enamel	
Connector	TNC Female	N Female
Drag	1.0 lb @ M.85 @ 35,000	
ENVIRONMENTAL		
Side Load	6 PSI	
Shock	30 Gs	
Temperature	-55°C (-67°F) to +85°C (+185°F)	
Vibration	10 Gs	
Altitude	60,000 ft.	

