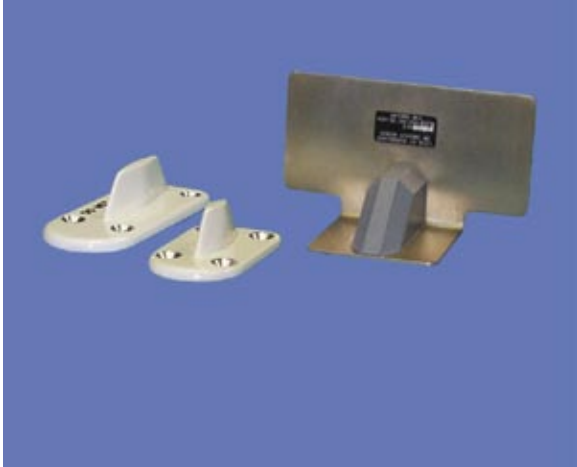


MLS S65-5366-Series



DESCRIPTION

S65-5366-1M: Aluminum, vertically polarized antenna operating in 5.0 to 5.1 GHz. frequency range with a maximum VSWR of 2.0:1. The elevation beamwidth is 40° and the gain is +3 dBi. DC grounded to provide lightning protection. Hermetically sealed. Compatible with all major MLS systems.

S65-5366-2M: Same as (-1M) except +6 dBi FWD gain. Compatible with all major MLS systems.

S65-5366-4M: Same as (-1M) except for baseplate and connector length. Designed for ARINC 727. For use with GPS/ILS/MLS MultiMode Receivers (MMR).

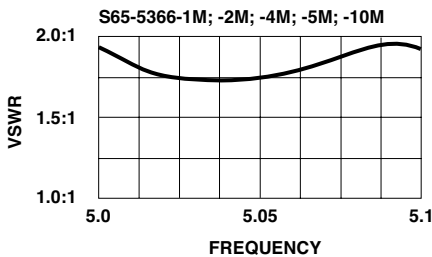
S65-5366-5M: Same as (-4M) except for forward radiation pattern. Designed for ARINC 727. For use with GPS/ILS/MLS MultiMode Receivers (MMR).

S65-5366-10M: Aluminum base designed to mount on nose bulkhead in radome. Radiation pattern is 40° elevation beamwidth and +8 dBi forward gain. For nose radome installation. Military and airline application.

SSPD-113-30: Low loss Power Divider may be used to connect a single MLS antenna into two (2) MLS receivers or two (2) antennas with a single MLS receiver. Frequency range 5.0 to 5.1 GHz with a VSWR of 2.0:1. Housing constructed of aluminum alloy and coated blue anodize per MIL-A-8625.

FEDERAL & MILITARY SPECS: ARINC 727, TSO-C104, DO-160, MIL-E-5400, MIL-E-7772.

PERFORMANCE



SPECIFICATIONS

GENERAL AVIATION ARINC 727	S65-5366-1M S65-5366-4M	S65-5366-2M S65-5366-5M	S65-5366-10M
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ELECTRICAL

Frequency	5.0-5.1 GHz	5.0-5.1 GHz	5.0-5.1 GHz
VSWR	2.0:1	2.0:1	2.0:1
Pattern	Omni/Az Cos/EI	FWR/DIR/Az Cos/EI	FWR/DIR/Az Cos/EI
Polarization	Vertical	Vertical	Vertical
Impedance	50 ohms	50 ohms	50 ohms
Power	Receive only	Receive only	Receive only
Gain	+3 dBi	+6 dBi	+8 dBi
Lightning Protection	— DC grounded – MIL-A-9094, MIL-B-5087 —		

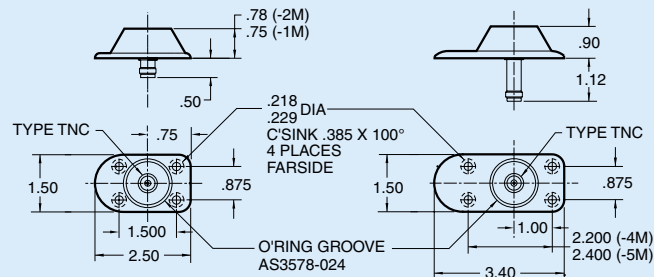
MECHANICAL

Weight	1.2 oz.	1.2 oz.	3.0 oz.
Height	.75 in. (-1M) .90 in. (-4M)	.78 in. (-2M) .90 in. (-5M)	2.3 in.
Material	A356-T6 aluminum / glass (-1M; -2M) 6061-T6 aluminum / glass (-4M; -5M) 6061-T6 aluminum / lexan (-10M)		
Finish	Skydrol resistant enamel		
Connector	TNC		

ENVIRONMENTAL

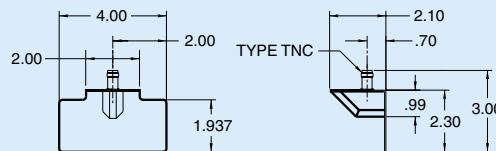
Temperature	-65°F to +160°F
Vibration	10 G's
Altitude	60,000 ft.

OUTLINE DRAWING

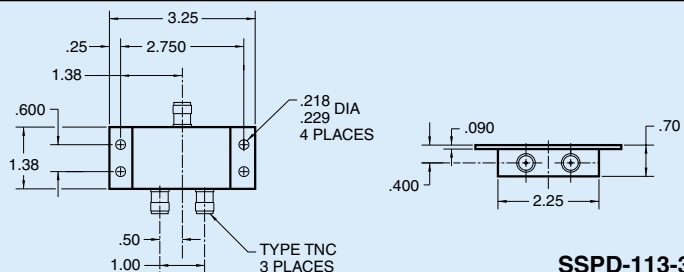


**S65-5366-1M
S65-5366-2M
GENERAL AVIATION**

**S65-5366-4M
S65-5366-5M
ARINC 727**



S65-5366-10M



SSPD-113-30