



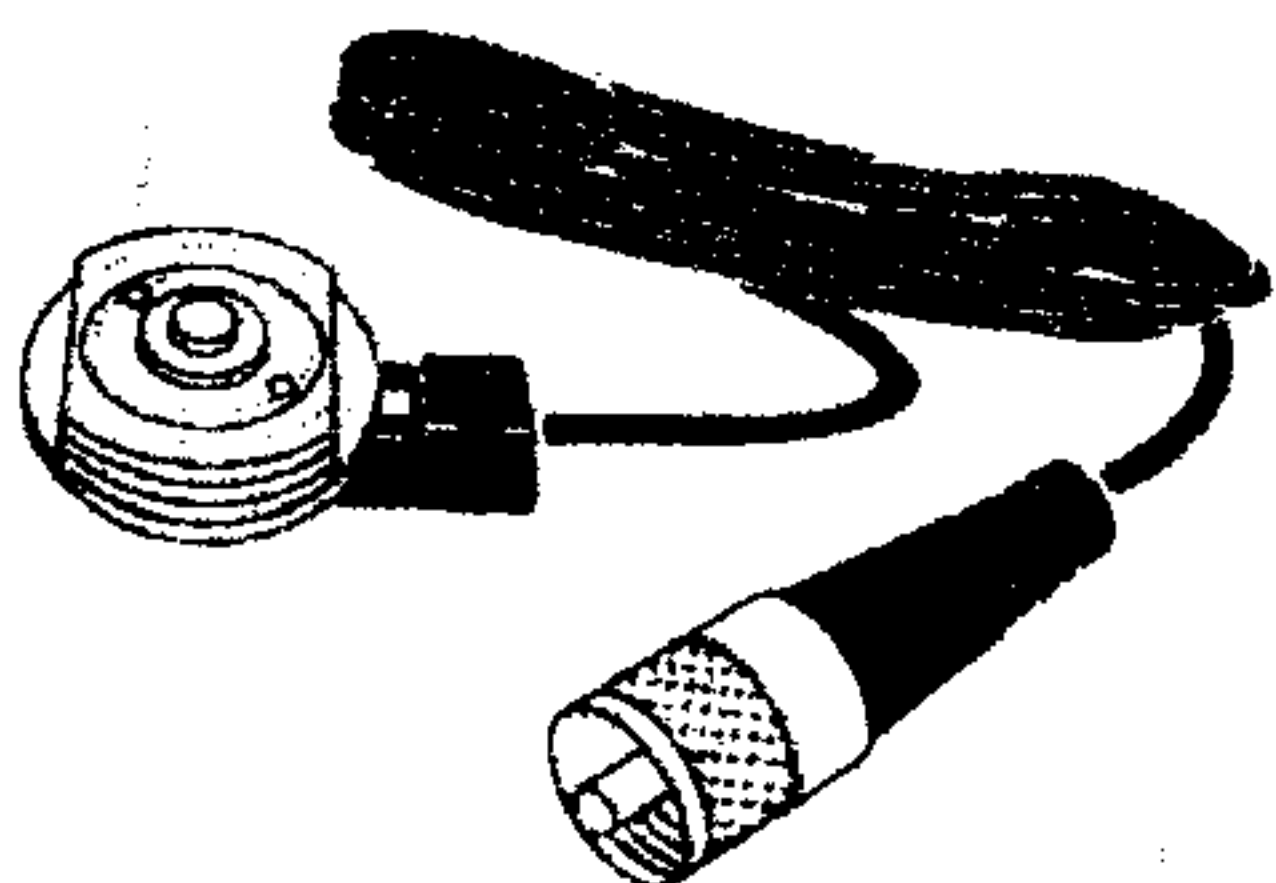
5dB GAIN COLLINEAR UHF MOBILE ANTENNA

MODEL	FREQUENCY RANGE
UH-405A	406 – 430 MHz
UH-405B	430 – 450 MHz
UH-405C	450 – 470 MHz
UH-405D	470 – 490 MHz
UH-405E	490 – 512 MHz
UH-405F	512 – 532 MHz

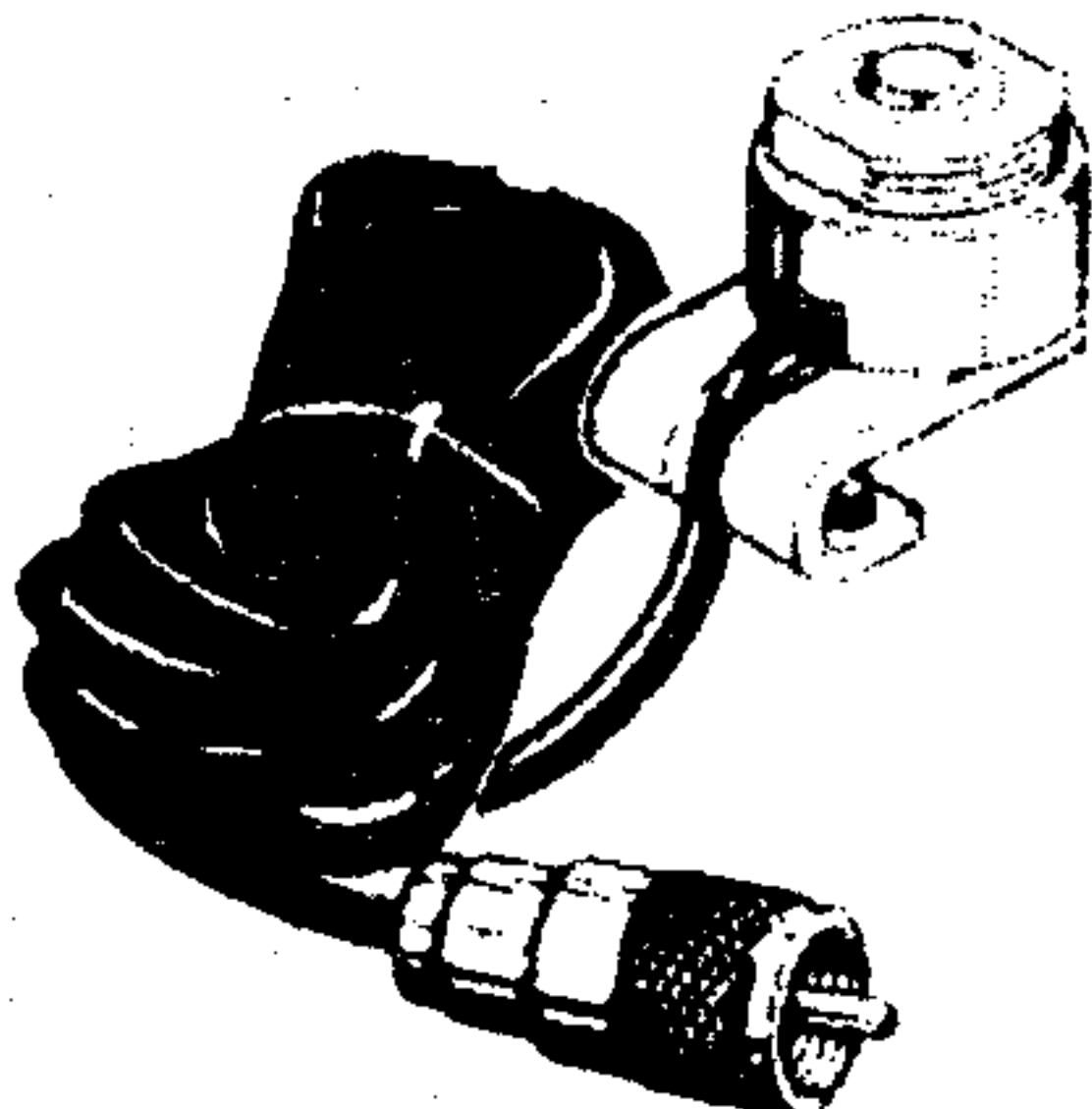
ASSEMBLE THE ANTENNA PER THE DIAGRAM ATTACHED. TO OBTAIN THE LOWEST S.W.R. (STANDING WAVE RATIO), THE ANTENNA MUST BE CUT TO THE SPECIFIC FREQUENCY OF OPERATION (SEE CUTTING CHART) . THE STAINLESS MATERIAL USED IN THE ANTENNA IS VERY STRONG AND IS NOT EASILY CUT. WE SUGGEST " SCORING " THE STAINLESS WHIP TO A 75% DEPTH THEN USING TWO PLIER TO SNAP OFF THE UNUSED PORTION. USE CARE TO AVOID AN ACCIDENT. FILE DOWN ANY " BURRS " ON THE CUT OFF PORTION. THE COIL ASSEMBLY IS FACTORY TUNED AND SEALED, NO ADJUSTMENT TO THE COIL IS NECESSARY.

NOTE: ALWAYS USE PROTECTIVE EYEGLASSES WHEN CUTTING OR FILING METAL RODS.

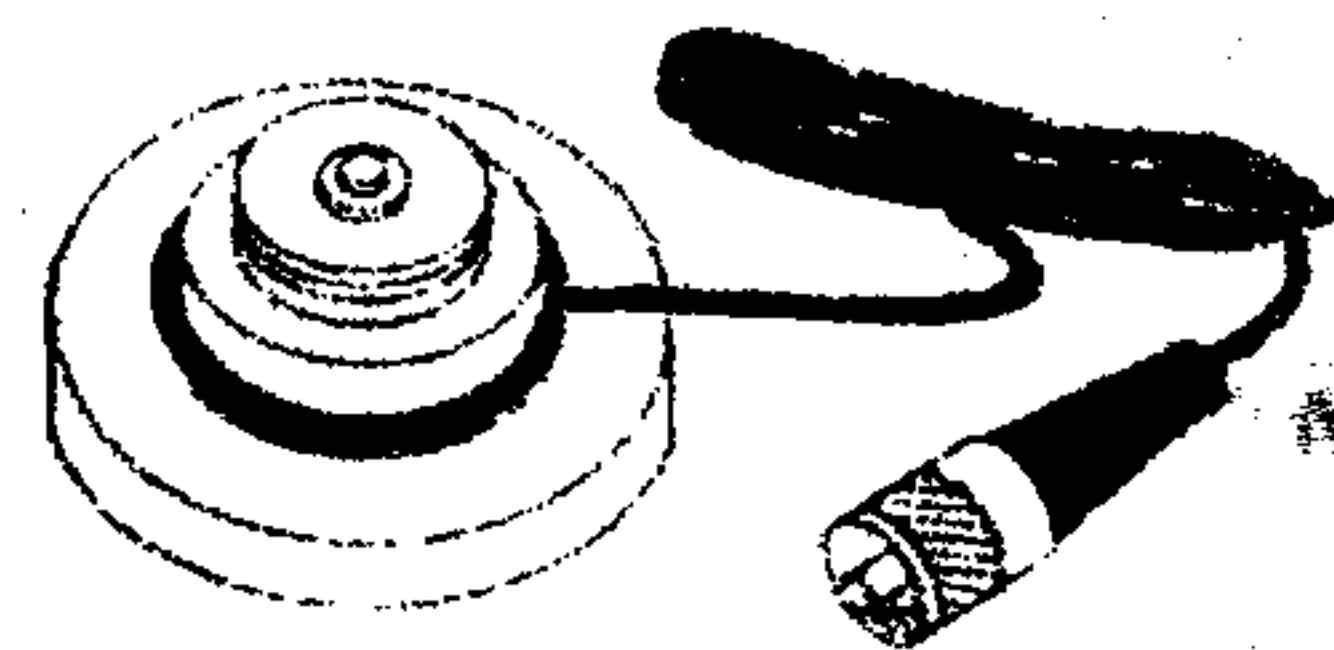
THE UH-405 SERIES REQUIRE A " NMO " TYPE OF MOUNT. WE OFFERS THREE DIFFERENT NMO MOUNTS AS BELOW:



3/4" HOLE MOUNT

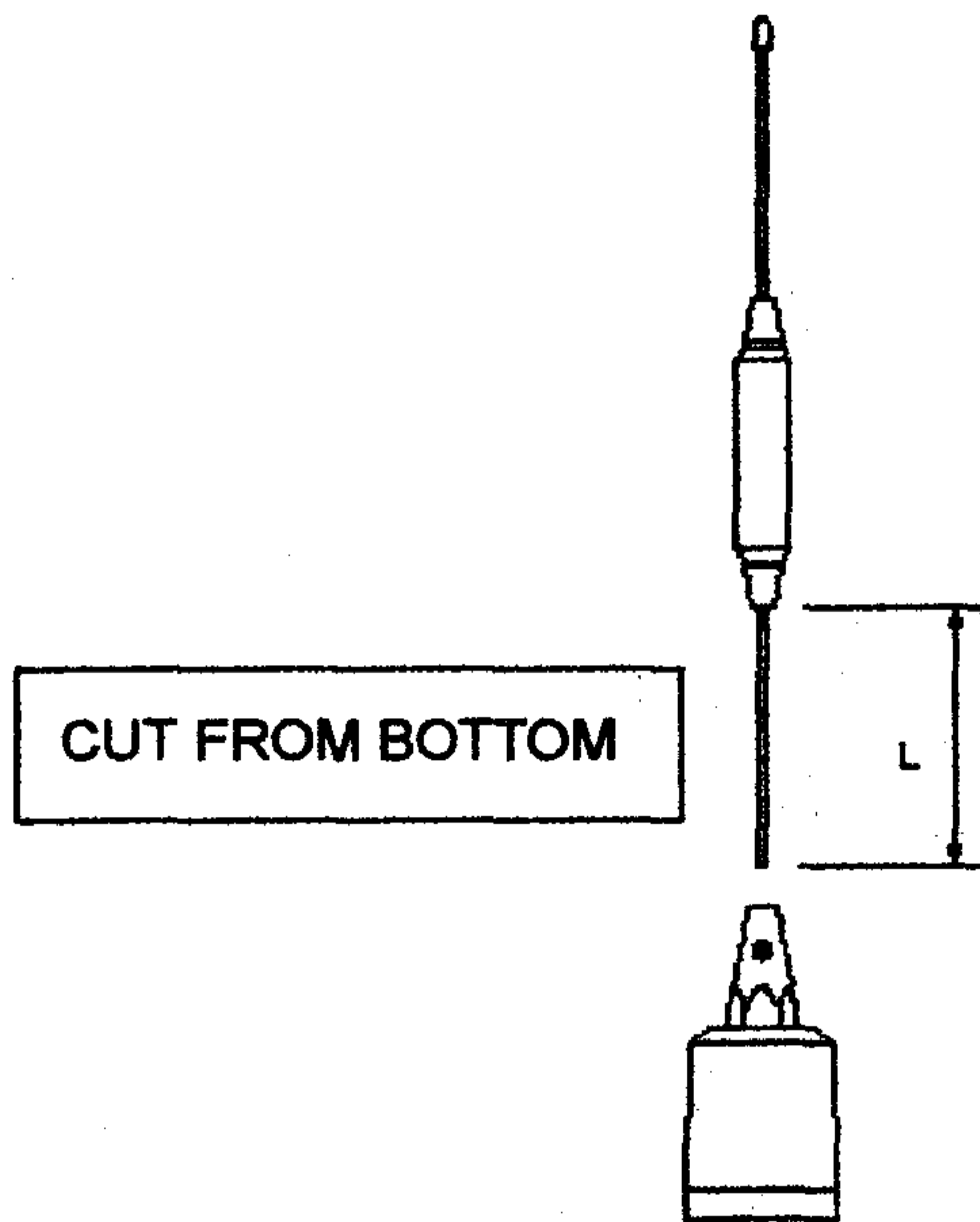


TRUNK LIP MOUNT



MAGNET MOUNT

UH-405 SERIES CUTTING CHART



INSTALLATION:

FOR GROUND PLANE DEPENDENT ANTENNA THE CENTER OF THE VEHICULAR ROOF IS CONSIDERED THE BEST LOCATION FOR YOUR INSTALLATION. SATISFACTORY RESULTS MAY BE OBTAINED ON OTHER LOCATION SUCH AS THE FENDER OR TRUNK DECK. WHEN MOUNTING ANY ANTENNA, ESPECIALLY A LOW BAND ANTENNA, CARE SHOULD BE TAKEN WHEN CHOOSING THE MOUNTING LOCATION SO AS TO PROVIDE AN ADEQUATE GROUND PLANE AND FREE SPACE FOR THE RADIATOR. IF THE RADIATOR IS MOUNTED TOO CLOSE TO THE METAL SIDE OF THE VEHICLE, A LOW V.S.W.R. MAY NOT BE ACHIEVED. USE THE TABLE BELOW AS A GUIDE:

<u>OPERATION BAND</u>	<u>GROUND PLANE</u>
LOW BAND	AS LARGE AS POSSIBLE
VHF	89 cm ²
UHF	33 cm ²
800/900	18 cm ²

UH-405A	
FREQUENCY	Length
410MHz	260
415 MHz	220
420 MHz	187
425 MHz	187
430 MHz	187
UH-405B	
FREQUENCY	Length
430MHz	364mm
435 MHz	359mm
440 MHz	344mm
445 MHz	327mm
450 MHz	311mm
UH-405C	
FREQUENCY	Length
450 MHz	346mm
455 MHz	337mm
460 MHz	337mm
465 MHz	324mm
470 MHz	310mm
UH-405D	
FREQUENCY	Length
470 MHz	353mm
475 MHz	335mm
480 MHz	327mm
485 MHz	297mm
490 MHz	285mm
UH-405E	
FREQUENCY	Length
490 MHz	375mm
495 MHz	362mm
500 MHz	335mm
505 MHz	311mm
510 MHz	283mm
512 MHz	268mm
UH-405F	
FREQUENCY	Length
512 MHz	
517 MHz	
522 MHz	
527 MHz	
532 MHz	