

NOTES:
1.0 ELECTRICAL SPECIFICATIONS:
1.1 FREQUENCY RANGE:
M3933/17-01 thru 06: DC to 4.5 GHz
M3933/17-07 thru 24: DC to 18.0 GHz
1.2 ATTENUATION ACCURACY: SEE TABLE
1.3 VSWR (MAX): (BOTH ENDS)
M3933/17-01 thru 06: 1.25:1
M3933/17-07 thru 24:
DC to 4.0 GHz: 1.15:1
4.0 to 8.0 GHz: 1.20:1
8.0 to 12.4 GHz: 1.25:1
12.4 to 18.0 GHz: 1.35:1
1.4 INPUT POWER:
POWER INPUT IS DERATED LINEARLY TO
0.5 WATTS AT +125°C.
M3933/17-01 thru 06: 4 WATTS AVG.
M3933/17-07 thru 24: 2 WATTS AVG.
1.5 PEAK POWER: 0.2 KILOWATTS
PEAK POWER FOR A DUTY CYCLE OF 5×10^{-4} ,
MAX. PULSE DURATAION OF 5 MICRSECONDS.
2.0 MARKING: MARK UNIT AS SHOWN
(REF.:INK-09208-27-XX)
3.0 DIMENSIONS IN PARENTHESIS ARE IN
MILLIMETERS.
4.0 TESTING:
SCREENED PER ATP-07839-60-01
NON-SCREEN PER ATP-09210-60-01
5.0 BAG MARKING:
MODEL M3933/17-XX (N or S)
ATTENUATOR FIXED COAXIAL LINE
YY WATTS AVERAGE INPUT POWER
FREQ. RANGE: DC-ZZ GHz
MFR 34078
LOT NO. _____
DATE CODE: [YYWW]
YEAR & WEEK

SEE TABLE

SEE MODEL NO.
FOR LAST 3 DIGITS

SEE TABLE

-12	4	±0.4
-11	3	±0.4
-10	2	±0.4
-09	1	±0.4
-08	30	±0.9
-07	20	±0.6
-06	6	±0.4
-05	5	±0.4
-04	4	±0.4
-03	3	±0.4
-02	2	±0.4
-01	1	±0.3
M3933/17-XX MODEL NO.	(dB) ATTEN.	ATTEN. ACCURACY

-22	40	±1.0
-21	35	±0.9
-20	25	±0.8
-19	15	±0.5
-18	12	±0.5
-17	10	±0.5
-16	8	±.05
-15	7	±0.5
-14	6	±0.4
-13	5	±0.4
M3933/17-XX MODEL NO.	(dB) ATTEN.	ATTEN. ACCURACY

Technical drawing of an attenuator unit. The drawing shows a cylindrical component with a TNC plug on the left and a TNC jack on the right. The central body is labeled 'CLASS P.N. M DC to'. Dimensions include a total length of 1.93(49.0) MAX. and a diameter of .56(14.2) DIA. MAX. Assembly details include a black epoxy unit (EPX-08000-44-01) and a silver epoxy unit (EPX-08003-44-01). Marking instructions include engraving the serial number and date code on the nut, and bag marking with model number, wattage, frequency range, manufacturer, lot number, and date code.

REV.	DESCRIPTION	DATE
-	RELEASED	2/3/95
A	ECN 14461	5/4/95
B	ECN 19574	1/15/04
C	ECN 20764	3/10/06

FSCM NO. 34078		MIDWEST MICROWAVE	
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 3 PLACE DECIMALS ±.005 2 PLACE DECIMALS ±.02 FRACTIONS ±1/64 PARALLELITY: T.I.R. _____ FLATNESS: T.I.R. _____ CONCENTRICITY: T.I.R. _____ ANGLES AND PERPENDICULARITY: ±1°		NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Midwest Microwave	TITLE ATTENUATOR
DRAWN/DATE A.BEATTY 1/27/95		ENG./DATE G.KOZAK 2/3/95	DRAWING NUMBER M3933/17-XX(N or S)
CHECKED/DATE M.HOLLMAN 2/3/95		APPROVED/DATE	SCALE: 3=1 SHEET 1 of 1