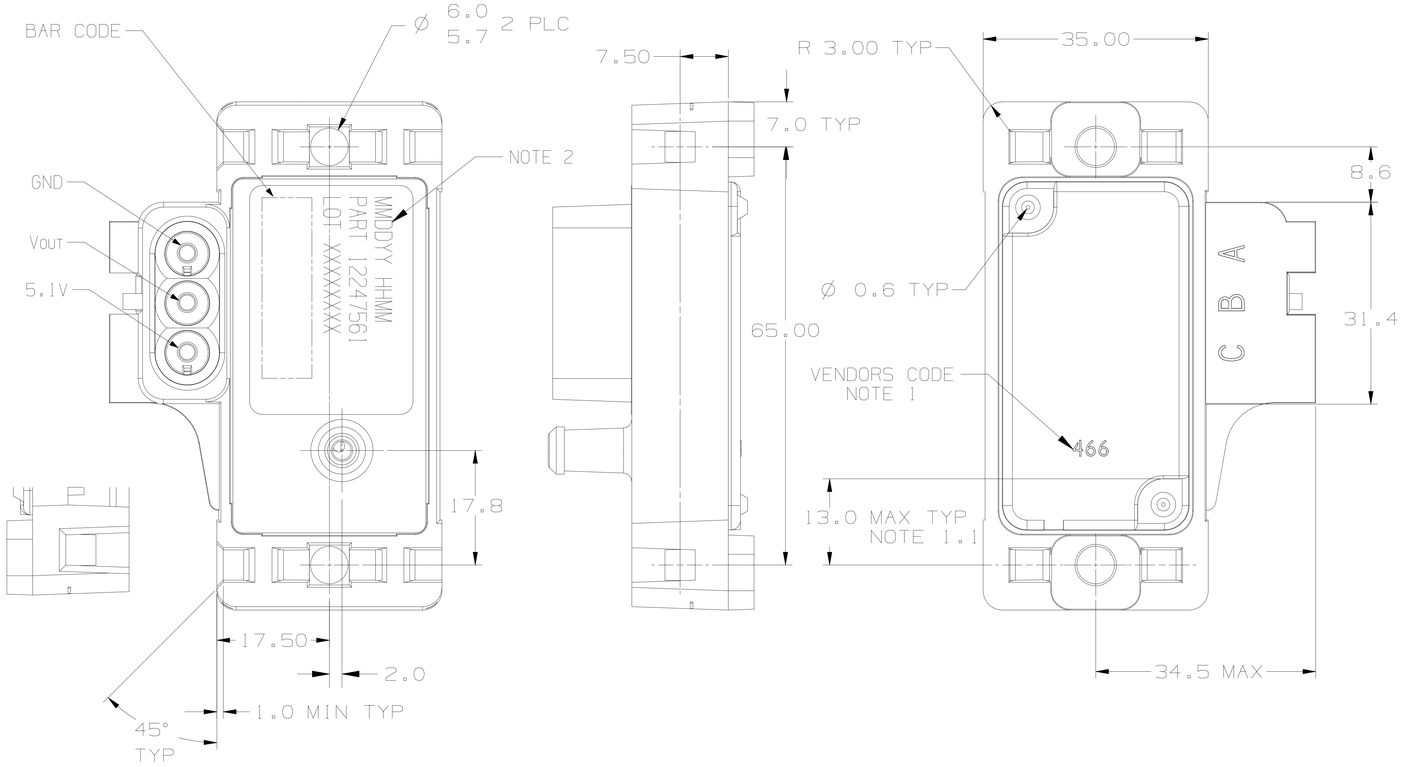
KEY PRODUCT CHARACTERISTICS			
SAFETY/COMPLIANCE	FIT/FUNCTION	TOTAL ON DRAWING	1
S/C CHECKPOINTS	F/F CHECKPOINTS	LAST NO. USED	1
NO & TYPE	DESCRIPTION	RATIONALE	PTS	ZONE

DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P	CHG						
21NOO3		A				RELEASED-PRODUCTION PER CN33059.	176711	JEM	RL	JR



MOUNTING:

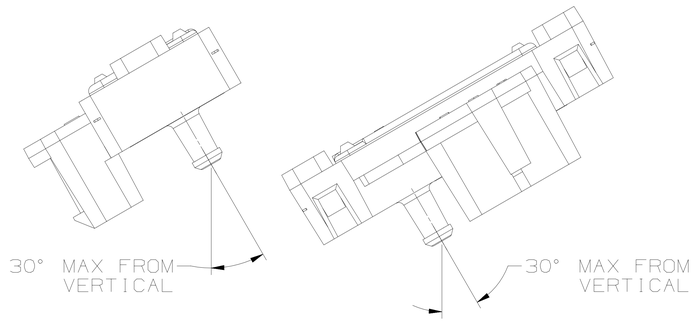
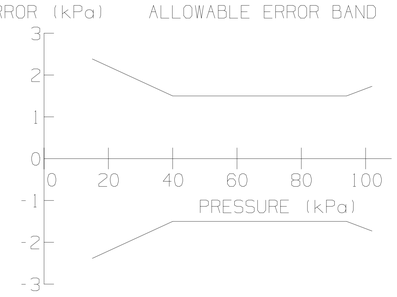
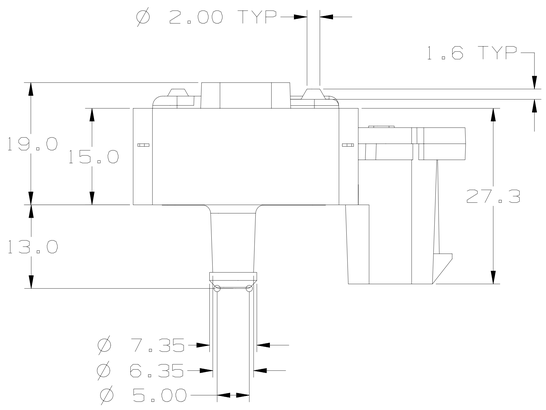


FIGURE 3

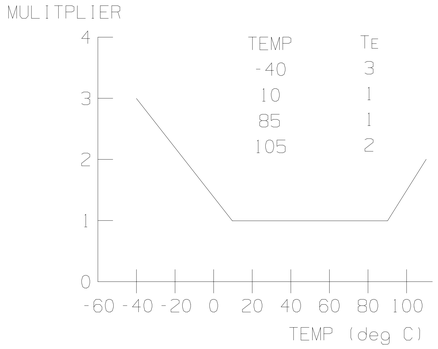


P	Pe
15	+/-2.4
40	+/-1.5
94	+/-1.5
102	+/-1.7

FIGURE 1



ERROR BAND MODIFICATION vs TEMP (deg C)



TEMP	TE
-40	3
10	1
85	1
105	2

FIGURE 2

RATINGS

PARAMETER	SYMBOL	VALUE	UNITS
OPERATING PRESSURE	P	15 TO 102	kPa
OPERATING VOLTAGE	Vs	5.1 +/- 0.36	V
OPERATING TEMPERATURE	TA	-40 TO 105	°C
STORAGE TEMPERATURE	TSTG	-50 TO 150	°C
OVER PRESSURE	POVR	2* MAX P	kPa
CURRENT DRAIN	ISMAX	20	mA
PRESSURE RESPONSE TIME *	Tp	6	ms
POWER UP RESPONSE TIME **	Tv	6.25	ms
OUTPUT NOISE ***	N	10	mV P-P
LEAK RATE (@ ANY OP. PRES.)	PLK	1.7 IN 30s	kPa

* 90% OF STEADY STATE RESPONSE TO CHANGE TO ANY OPERATING PRESSURE FROM ANY OTHER OPERATING PRESSURE.

* * APPLICATION OF 4.74V PART MUST STABILIZE WITHIN +/-0.2 kPa.

* * * OUTPUT NOISE DEFINED AS AC VOLTAGE > 10 KHz.

1. ORIENTATION OF VENDOR CODE IS OPTIONAL.

   1.1 VENT HOLES ARE TO BE WITHIN AREAS SHOWN.

2. EXAMPLE BAR CODE LABEL ATTACHED IN AREA SHOWN. LABEL WILL INCLUDE PART NUMBER AND TRACEABILITY INFORMATION.

3. MUST MATE WITH PACKARD CONNECTOR 12020403, REV A 10JN91.

4. RECOMMENDED MOUNTING PROCEDURE: (FIGURE 3)

   4.1 PORT SHOULD BE POINTED DOWN WITHIN 30° OF VERTICAL.

   4.2 A BRACKET MOUNT SYSTEM IS RECOMMENDED.

   4.3 FOR SCREW MOUNT, MAXIMUM ALLOWABLE MOUNTING TORQUE IS 3.5Nm.

   4.4 HOSE SHOULD BE SLOPED DOWNWARD FROM SENSOR TO VACUUM PORT. LINE SHALL HAVE SUFFICIENT LENGTH THAT IT CAN BE MOVED FREELY BUT INSUFFICIENT THAT A DIP CAN OCCUR.

5. ELECTRIC OUTPUT:

   5.1 OUTPUT OF MODULE MUST BE IN ACCORDANCE WITH THE TRANSFER EQUATION WITHIN RATING SPECIFICATION Vo = Vs (0.01059 P - 0.1094).

   5.2 ERROR FROM THE EQUATION MUST BE WITHIN THE FOLLOWING LIMIT (Vo = Vo ± VE): V = Vs TE PE (.01059) TE & PE OBTAINED FROM FIG 1 & 2.

   (1) 5.3 AT 25°C & Vs = 5.10V Vo SHALL READ:

P	VOUT MIN	VOUT MAX
15	0.122	0.382
40	1.521	1.683
94	4.438	4.600
102	4.859	5.043

   5.4 THE LOAD IMPEDENCE SEEN BY SENSOR SHALL BE 5kOhm.

   5.5 Vs SHALL BE ISOLATED & FILTERED SUCH THAT INPUT NOISE IS NO GREATER THAN 10mV P-P.

6. PART WEIGHT: 57.0 gr ±10%

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS, RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE DASED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

ZERO PLACE DECIMALS ±	N/A
ONE PLACE DECIMALS ±	0.4
TWO PLACE DECIMALS ±	0.25

ANGLES ±2 DEGREE

REFERENCE

FIRST USED
12247561
REFERENCE
12569240-0
REPLACES #
N/A
REPLACED BY
N/A

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

UNIGRAPHICS NX V1.0

DIST: N/A

DELPHI

DELCO ELECTRONICS SYSTEMS

		DATE
DR	JOHN E MILLER	02DE03
APVD1	R.R. LONGSTREET	21NOO3
APVD2	JASON RICKETTS	21NOO3
APVD3	N/A	
APVD4	N/A	
APVD5	N/A	

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL
SEE PART/MATERIAL LIST

DRAWING NAME
OUTLINE-P/SNSR

DRAWING NUMBER
12247561

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
AO	1/1	1 OF 1	1 OF 1		A	

OUT/UG