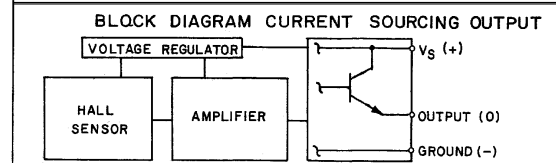
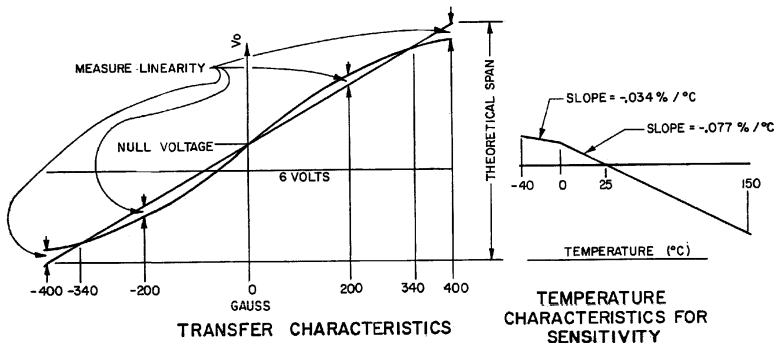


NOTES

1 THE + MAGNETIC FLUX IS IN THIS DIRECTION (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET)

2 AT 25°C AND 2,200 OHM LOAD

3 ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND WITHOUT DAMAGE TO THE DEVICE. HOWEVER, THE ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED AS THE MAXIMUM LIMITS (ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING REFERENCE CURVES



MAGNETIC CHARACTERISTICS

PARAMETER	PERFORMANCE @ 12 VDC	
	TYPICAL	MAX TOLERANCE
SPAN (-400 TO +400 GAUSS)	6.00 VDC	
NULL (OFFSET AT 0 GAUSS)	6 VDC	±0.6 VDC
SENSITIVITY (MV/GAUSS) (V ₀ @ 340G - V ₀ @ -340G)/680	7.5	±.2
LINEARITY % OF SPAN		±1.5%
TEMPERATURE ERROR NULL % OF SPAN -40°C TO 150°C -25°C TO 85°C 0°C TO 50°C		±5% ±3% ±2%
GAIN -40°C TO 0°C 0°C TO 150°C	-0.034%/°C -0.077%/°C	

ELECTRICAL CHARACTERISTICS

	24°C	-40°C TO +150°C	REMARKS
SUPPLY CURRENT (MAX)	16mA	19mA	EXCLUDING LOAD CURRENT 8 TO 16VDC SUPPLY VOLTAGE

ABSOLUTE MAXIMUM RATING

SUPPLY VOLTAGE	-0.5 TO +18.0 VDC
OUTPUT CURRENT	10 mA MAX
STORAGE TEMPERATURE	-40°C TO 150°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

NO PLACE (0) ±1 mm

ONE PLACE (0.0) ±0.4 mm

TWO PLACE (0.00) ±0.15 mm

ANGLES ±

WEIGHT



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LINEAR OUTPUT HALL
EFFECT TRANSDUCER

CATALOG LISTING
91SS16-2

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

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