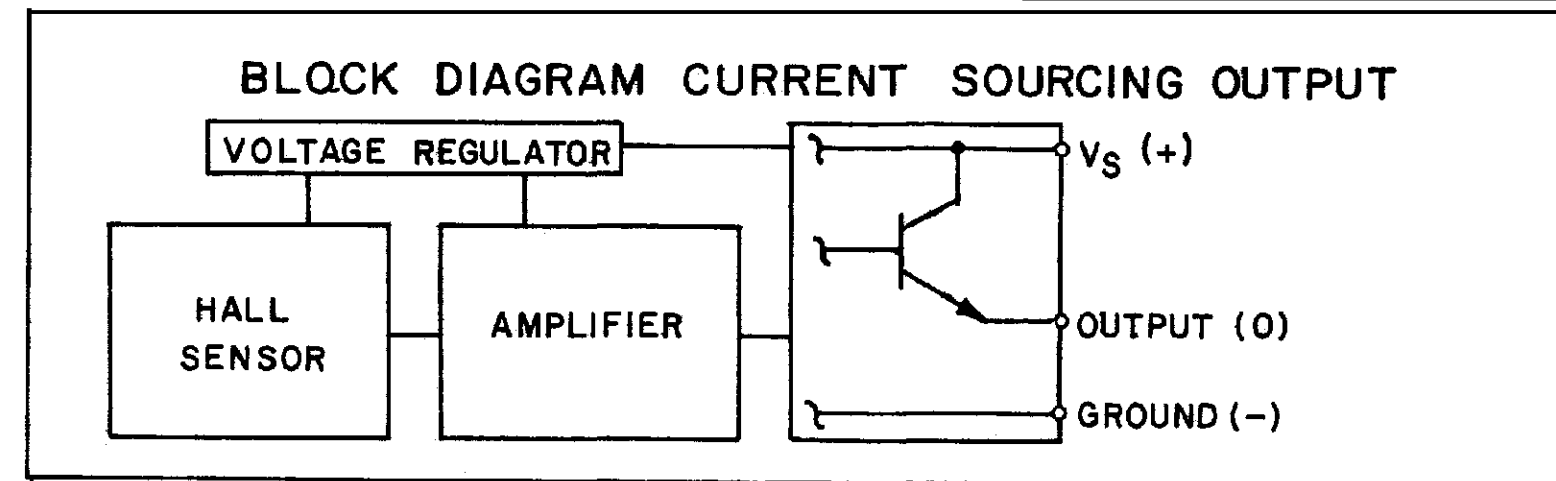


- NOTES**
- 1 THE + MAGNETIC FLUX IS IN THIS DIRECTION (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET)
 - 2 AT 25°C AND 2,200 OHM LOAD
 - 3 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND 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
 - 4 - REFERENCE CURVES

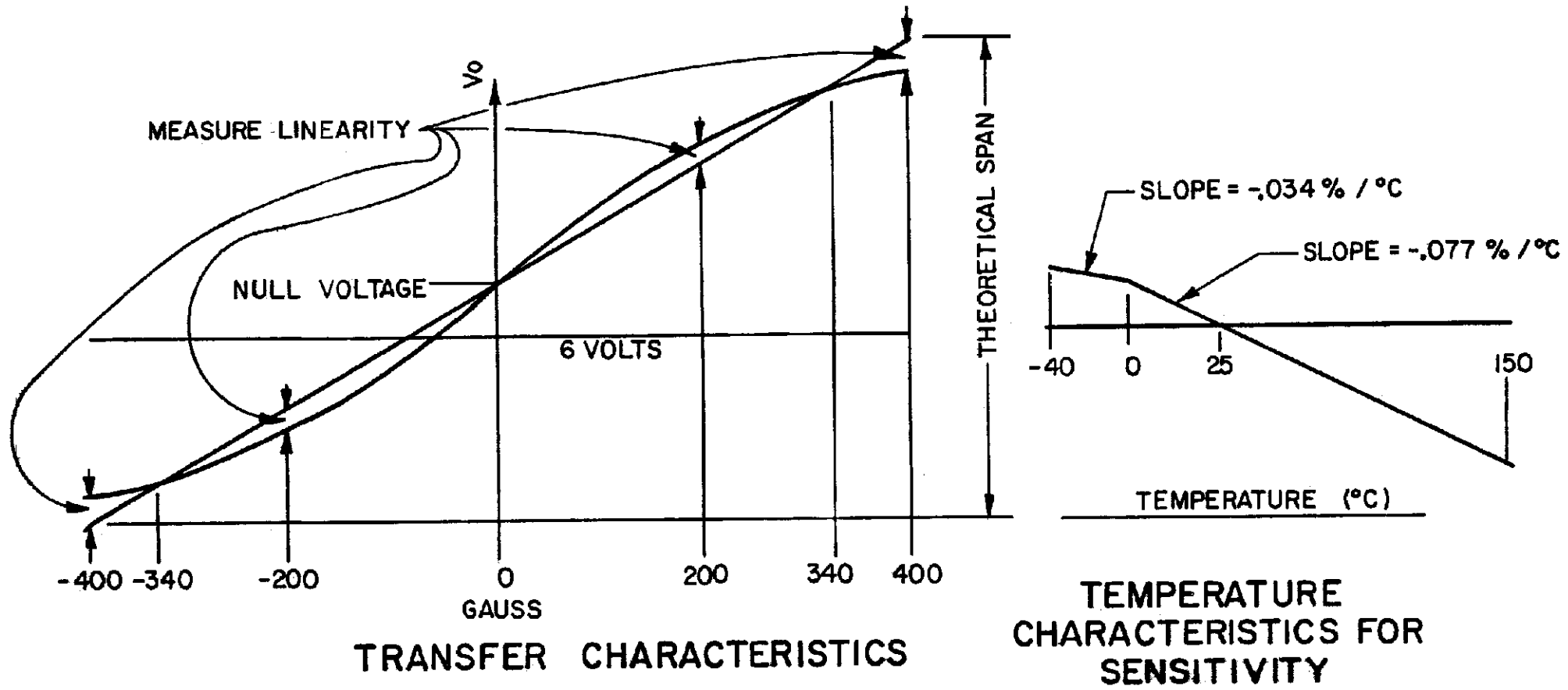


MAGNETIC CHARACTERISTICS

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	9.9	±.3
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

ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±

WEIGHT

DRAWING NUMBER 91SS16-3
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 RELEASE NO. PR-24224
 REVISIONS
 A C095600 TSM 14 SEP 99
 B C095600 DLM 2 MAR 00
 C 0039911 SS 19MAY08
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 BLR 19MAY08
 RASTER
 ANSI Y14.5M-1982 APPLIES



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SOLID STATE LINEAR OUTPUT HALL EFFECT TRANSDUCER

CATALOG LISTING
91SS16-3

FED. MFG. CODE 91929

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