



TRANSMAGNETICS

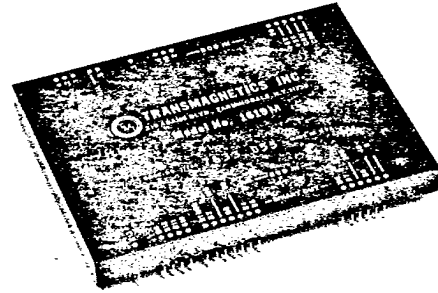
SERIES
1619

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SCALED BCD ANGLE TO BINARY ANGLE

FEATURES:

- Accuracy to 0.006°
- TTL/DTL Compatible
- Available for either 0-70°C or -55°C to +100°C operation
- Meets MIL-STD-202D, methods 204B, 101C, 105B, 106C, 107C, and 205D
- Hi-Rel 883B units on request



DESCRIPTION:

These miniaturized, all solid state devices convert either a 4 decade BCD into 13 bits or a 5 decade BCD into 16 bits of binary parallel data. Input and output are scaled to represent an angular range of 0-359.9 or 0-359.99 mechanical degrees.

SPECIFICATIONS:

	Code A	Code B
Accuracy:	±.006°	±.06
Input Resolution:	0.01°	0.1°
Input Logic:	5 Decade BCD	4 Decade BCD
Fan In:	6 TTL Loads	6 TTL Loads
Output Resolution:	16 Bits	13 Bits
Output Logic:	Parallel, Positive TTL Level, Binary Coded Angle	
Fan Out:	4 TTL Loads	4 TTL Loads
Conversion Time:	500 ns	500 ns
Power Required:	+5VDC +5% at 375mA	+5VDC ±5% at 350mA
Weight:	5 oz.	5 oz.
Operating Temperature:	Model C: 0°C to +70°C Model M: -55°C to +105°C	
Storage Temperature:	-65°C to +105°C	
Potting:	Units are potted.	

APPLICATION NOTES:

Unused inputs should be grounded.
Unused outputs should be left unconnected.
Externally parallel both common and both +5VDC pins.

PART NUMBER DESIGNATION:

