

## **Series 735**



## Design Features

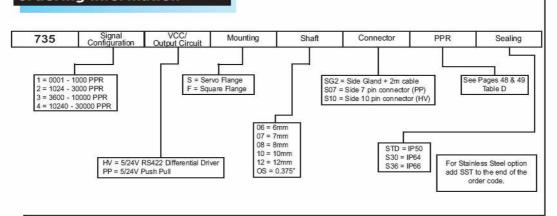
Due to some major technology enhancements, the 735 encoder is now available in four resolution ranges, from 0001 PPR through to 30,000 PPR. With models 735/2 through 735/4, which use advanced circuitry, it is now possible to provide selected resolutions up to 30,000 PPR. Please note, that within the higher resolution bands, the edge separation specifications reduce minimally, to 50°s. A stainless steel version is available at a modest surcharge. This version is designed for hostile environments or food applications. It is protected to IP66, and is configured with 2 metres of flying lead. Please call the sales office for details.

## Specifications-

5/24V (see output circuits) 5%, with 2% maximum ripple 80mA typical Output circuits ....... Frequency response Symmetry ..... See Ordering Information 200 KHz (735/1 - 50KHz) 180° electrical ±5% (9°e) 90° electrical ±10% (9°e) 72° electrical Gated (A • B • Z = F) Rise time .. Less than 1 microsecond ±0.017° or 1 Arc/Min 100,000 hrs typical See Ordering Information 6,000 rpm continuous See Ordering Information g6, sliding fit for H7 Pulses per revolution ...... Shaft tolerance .. Bearings .. ABEC 3

0.002 Nm (0.02 with seal) 80 N operating 60 N operating 70 g/cm 10<sup>5</sup> radians/sec<sup>2</sup> 0.5 kg Housing. Aluminum w/protective finish Mounting.....
Operating temperature..... Servo flange or square flange -10°C to +70°C High temperature..... -10°C to +100°C Storage temperature.... -30°C to +85°C 98% RHNC 10 G's @ 58 to 500 Hz Vibration... 50 G's for 11 mSec IP50 standard IP64 w/seal (S30) Shock IP66 w/seal (\$36)

## Ordering Information-



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**British Encoder Products** 

İmaj Teknik Elektrik Elektronik San. ve Tic. Ltd. Şti.

EMEKYEMEZ MAH.TUTSAK SOK. NO: 16/13-14-15

KARAKOY/ISTANBUL

TURKEY

Telefon: +90 212 235 9535 / 36 Fax: +90 212 235 9537 www.imajteknik.com www.imajteknik.com.tr