

# Product Preview **Electronic Ignition Control Circuit**

The MCCF79076, in conjunction with an appropriate Motorola Power Darlington Transistor, provides an economical solution for automotive ignition applications. The MCCF79076 offers optimum performance by providing closed loop operation of the Power Darlington in controlling the ignition coil current.

The MCCF79076 incorporates Flip-Chip Technology which involves the formation of solder bumps, rather than traditional wire bonds, to establish mechanical and electrical contact to the semiconductor chip. This process affords a unique device having improved reliability at elevated operating temperatures.

- Solder Bumped for Flip–Chip Assembly
- Ignition Coil Voltage Internally Limited to 375 V
- Coil Current Limiting to 7.5 A
- Output On–Time (Dwell) Control
- Dwell Feedback Control to Sense Coil Variation
- Hall Sensor Input
- $-30^{\circ}C \le T_A \le +140^{\circ}C$  Ambient Operating Temperature

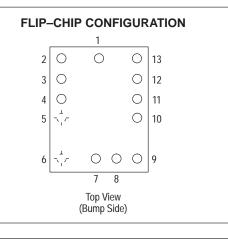


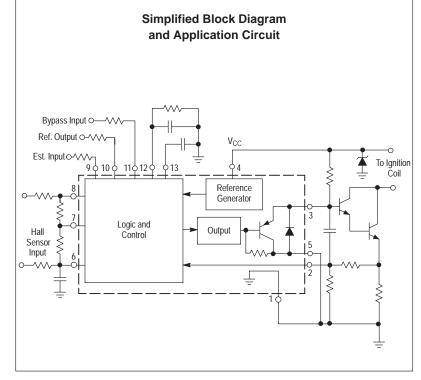
### **ELECTRONIC IGNITION** CONTROL CIRCUIT

SEMICONDUCTOR **TECHNICAL DATA** 



**DW SUFFIX** PLASTIC PACKAGE CASE 751G (SO-16L)







- 1. High Ground
- 2. Output Current Limit 3. Dwell Output
- 4. Supply
- 5. Low Ground
- 6. Reference Dwell Input
- 7. Advance Input
- 8. Bias Voltage
- 9. Est Input
- 10. Reference Output
- 11. Bypass Input 12. 900 RPM Detector
- 13. Dwell Control

### **ORDERING INFORMATION**

Device	Operating Temperature Range	Package
MCCF79076	$T_A = -30^\circ$ to +125°C	Flip–Chip
MC79076DW		SO-16L

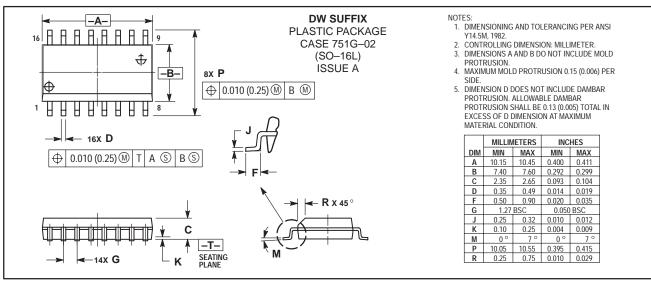
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USA/EUROPE/Locations Not Listed: Motorola Literature Distribution: P.O. Box 20912: Phoenix. Arizona 85036. 1-800-441-2447 or 602-303-5454

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ASIA/PACIFIC: Motorola Semiconductors H.K. Ltd.; 8B Tai Ping Industrial Park, 51 Ting Kok Road, Tai Po, N.T., Hong Kong. 852-26629298

JAPAN: Nippon Motorola Ltd.; Tatsumi-SPD-JLDC, 6F Seibu-Butsuryu-Center, 3-14-2 Tatsumi Koto-Ku, Tokyo 135, Japan. 03-81-3521-8315

MC79076/D



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