

40V PNP SILICON LOW SATURATION TRANSISTOR IN SOT23

Features

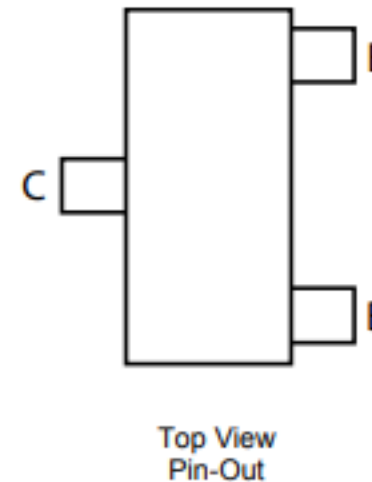
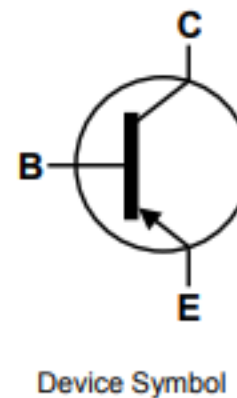
- $BV_{CEO} > -40V$
- $I_C = -1.5A$ Continuous Collector Current
- $I_{CM} = -4A$ Peak Pulse Current
- Low Saturation Voltage $V_{CE(sat)} < -220mV @ -1A$
- $R_{CE(sat)} = 163m\Omega$ for a low equivalent on-resistance
- 625mW power dissipation
- h_{FE} characterised up to -3A for high current gain hold-up
- Complementary NPN Type: FMMT619
- **Totally Lead-Free & Fully RoHS compliant (Notes 1 & 2)**
- **Halogen and Antimony Free. "Green" Device (Note 3)**
- **Qualified to AEC-Q101 Standards for High Reliability**
- **PPAP capable (Note 4)**

Mechanical Data

- Case: SOT23
- Case Material: molded plastic, "Green" molding compound
- UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish – Matte Tin Plated Leads, Solderable per MIL-STD-202, Method 208 (E3)
- Weight 0.008 grams (approximate)

Applications

- Gate Driving MOSFETs and IGBTs
- DC-DC Converters
- Charging circuit
- Power switches

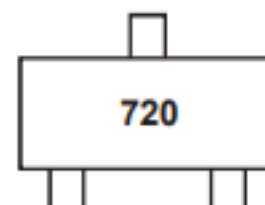


Ordering Information (Note 5)

| Product | Compliance | Marking | Reel size (inches) | Tape width (mm) | Quantity per reel |
|------------|------------|---------|--------------------|-----------------|-------------------|
| FMMT720TA | AEC-Q101 | 720 | 7 | 8 | 3,000 |
| FMMT720QTA | Automotive | 720 | 7 | 8 | 3,000 |

- Notes:
1. No purposely added lead. Fully EU Directive 2002/95/EC (RoHS) & 2011/65/EU (RoHS 2) compliant.
 2. See <http://www.diodes.com> for more information about Diodes Incorporated's definitions of Halogen and Antimony free, "Green" and Lead-Free.
 3. Halogen and Antimony free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.
 4. Automotive products are AEC-Q101 qualified and are PPAP capable. Automotive, AEC-Q101 and standard products are electrically and thermally the same, except where specified.
 5. For packaging details, go to our website at <http://www.diodes.com>

Marking Information



720 = Product Type Marking Code