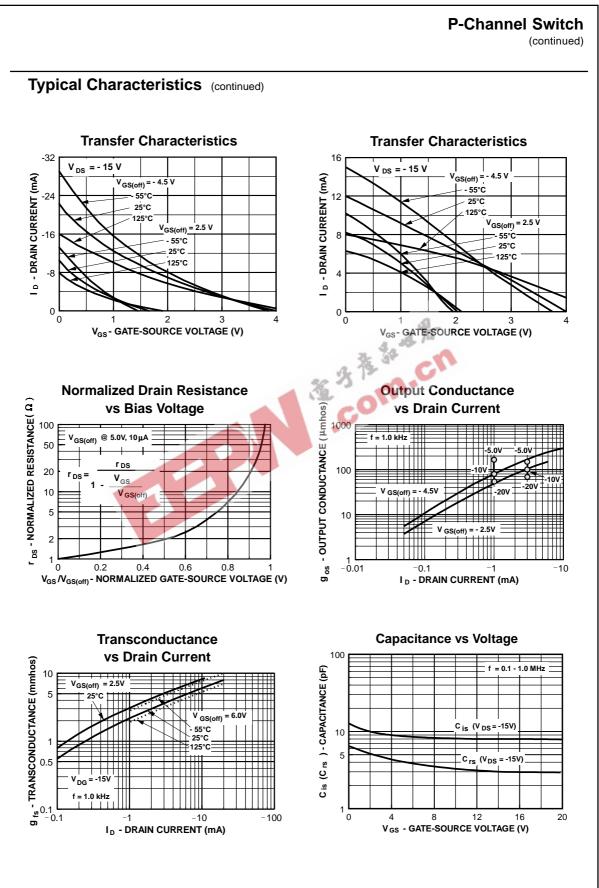


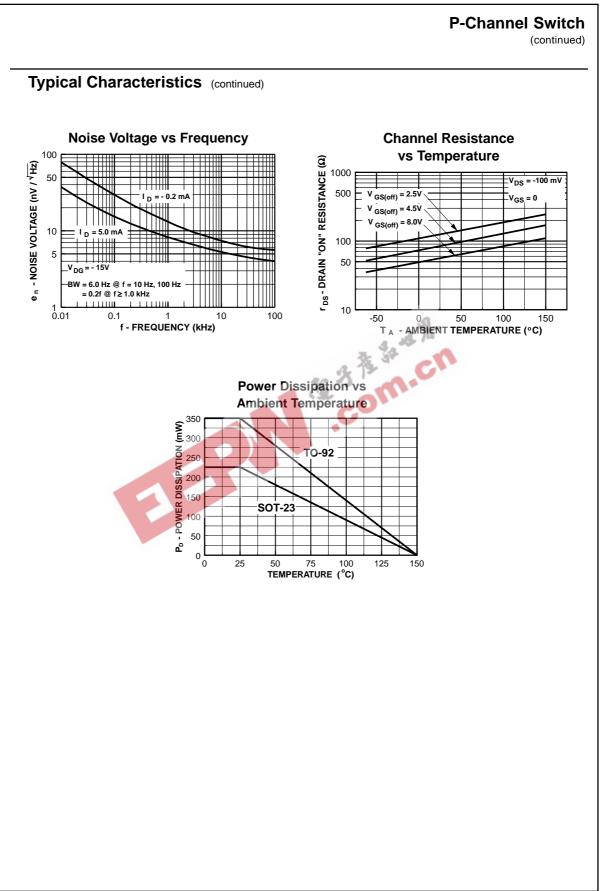
J174 / J175 / J176 / J177 / MMBFJ175 / 176 / 177

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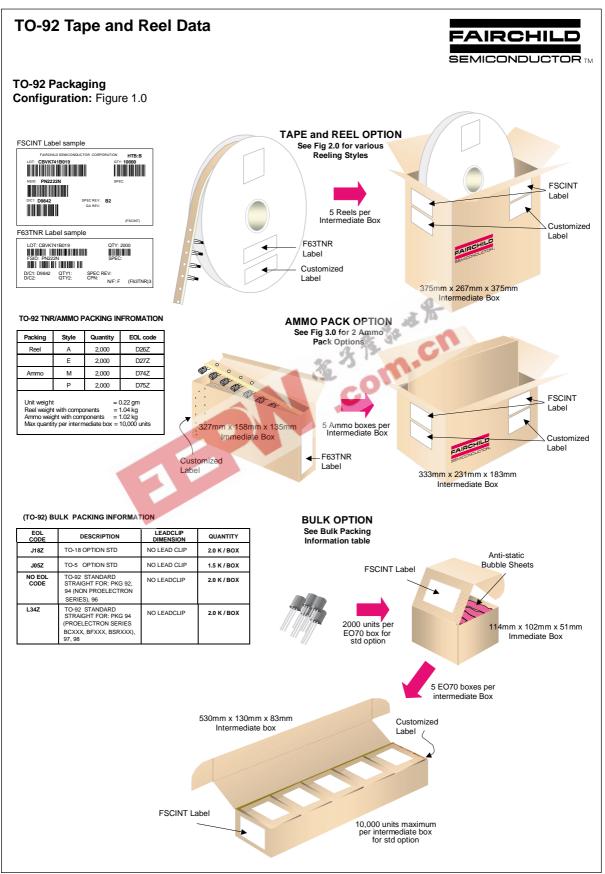
| | | | P-Ch | | Switch continued |
|----------------------|---|--|---|-------------------------|-------------------------------------|
| Electri Symbol | cal Characteristics TA=2 Parameter | 5°C unless otherwise noted | Min | Мах | Units |
| Symbol | i didinetei | | IVIIII | WIAX | Onits |
| OFF CHAR | RACTERISTICS | | | | |
| B _{(BR)GSS} | Gate-Source Breakdown Voltage | $I_{G} = 1.0 \ \mu A, V_{DS} = 0$ | 30 | | V |
| GSS | Gate Reverse Current | $V_{GS} = 20 \text{ V}, V_{DS} = 0$ | | 1.0 | nA |
| V _{GS(off)} | Gate-Source Cutoff Voltage | V _{DS} = - 15 V, I _D = - 10 nA 174 175 176 177 | 3.0 1.0 | 10 6.0 4.0 2.5 | V V V V |
| ON CHAR/ | ACTERISTICS | | | | |
| I _{DSS} | Zero-Gate Voltage Drain Current* | V _{DS} = - 15 V, I _{GS} = 0 174 175 176 | - 7.0 | - 100 - 60 - 25 | mA mA mA |
| r _{DS(on)} | Drain-Source On Resistance | $\frac{177}{V_{DS} \le 0.1 \text{ V}, \text{ V}_{GS} = 0}$ | - 1.5 | - 20 85 125 | mA Ω |
| | | 3 3 177 | | 250 300 | Ω Ω Ω |
| Туріса | I Characteristics | _ | | | |
| 00 | Common Drain-Source | Parameter | Interactio | ons | |
| 5-16 | $T_{A} = 25^{\circ}C$ $TYP V_{GS(off)} = 4.5 \text{ V}$ 0.5 V $GS = 0 \text{ V}$ 1.0 V 2.5 V 2.5 V 3.0 V 3.5 V -1 -2 -3 -4 $V_{DS} - DRAIN-SOURCE VOLTAGE (V)$ | -5 (so 100 50 10 50 10 50 10 50 10 50 10 50 10 50 50 50 10 50 50 50 10 50 50 50 50 50 50 50 50 50 50 50 50 50 | Ibss., gfs @ Vos V cs= 0 PULSED -ros @ -100 mV, V V cs(or)@ Vos I p = -1.0 μA | GS = 0 - 15V, | 1,000 g - DRAIN "ON" RESISTANCE (Ω) |
| | | | | | |



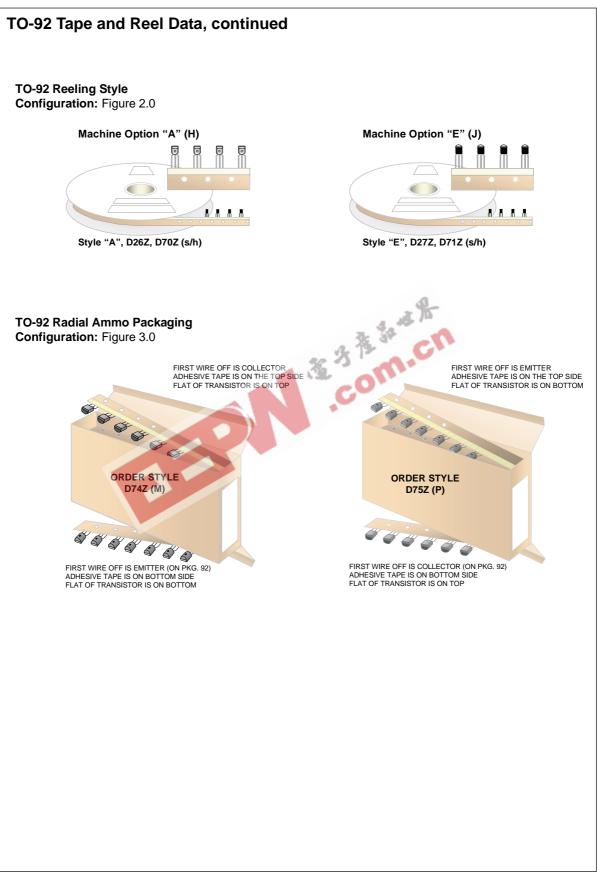
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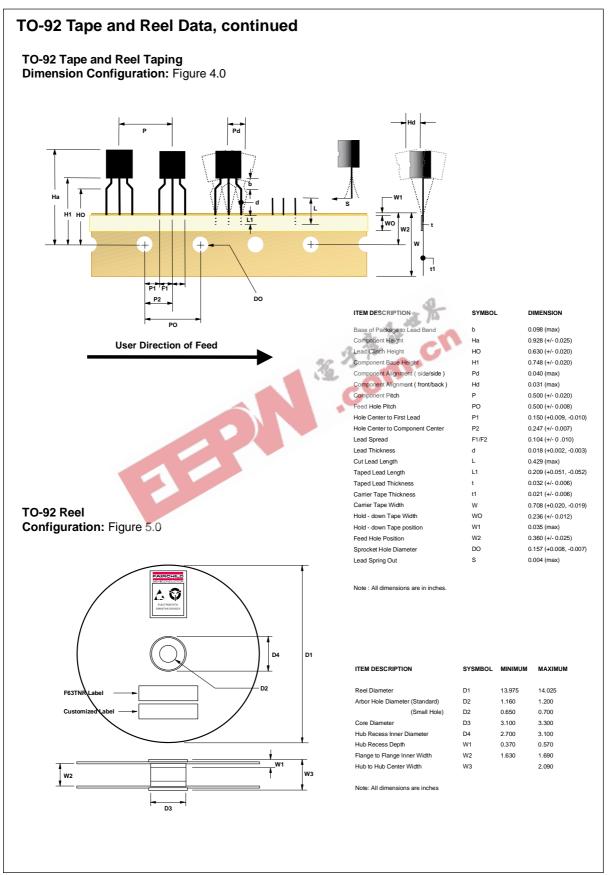


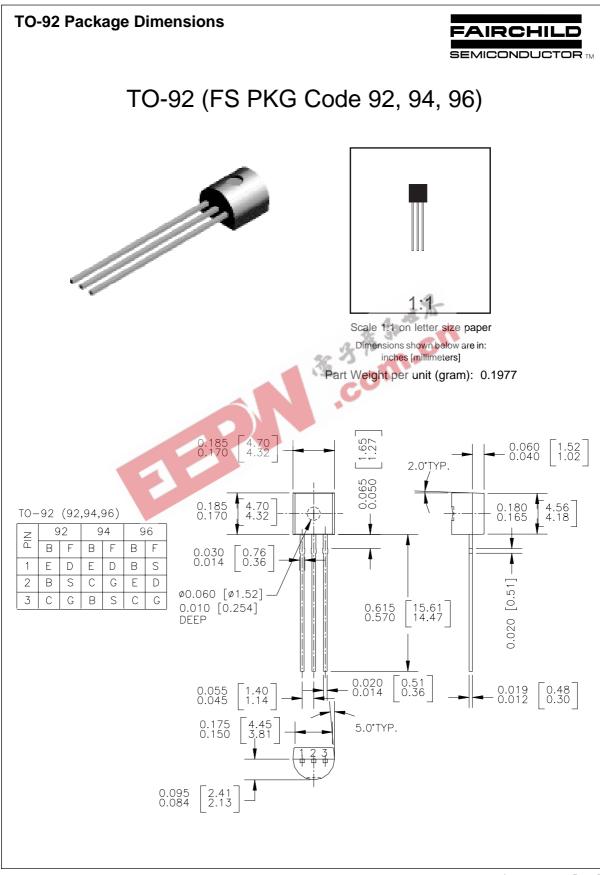
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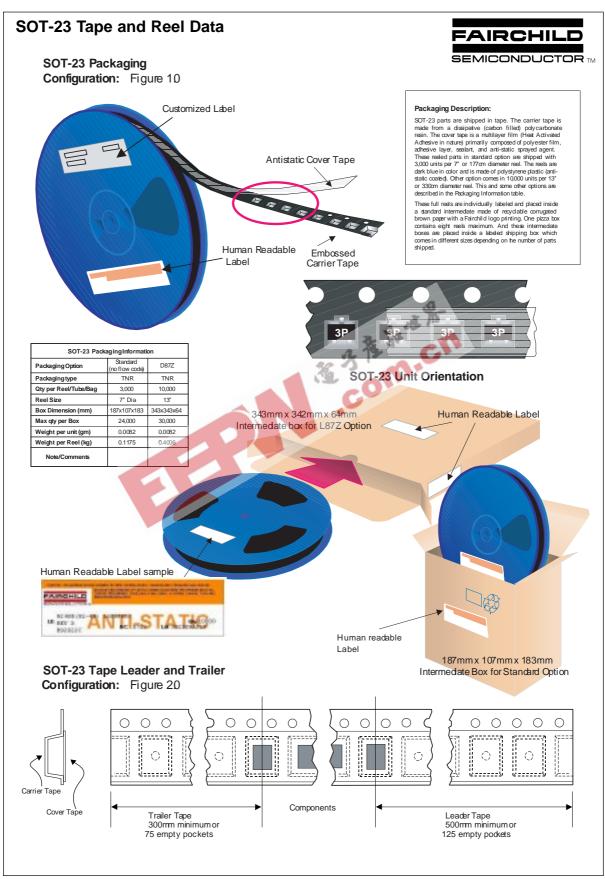


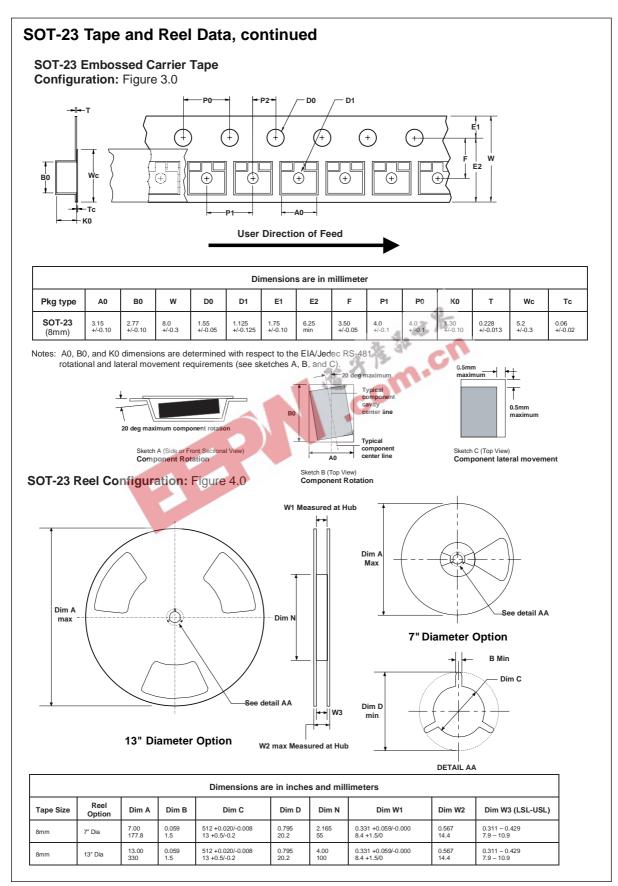
March 2001, Rev. B1



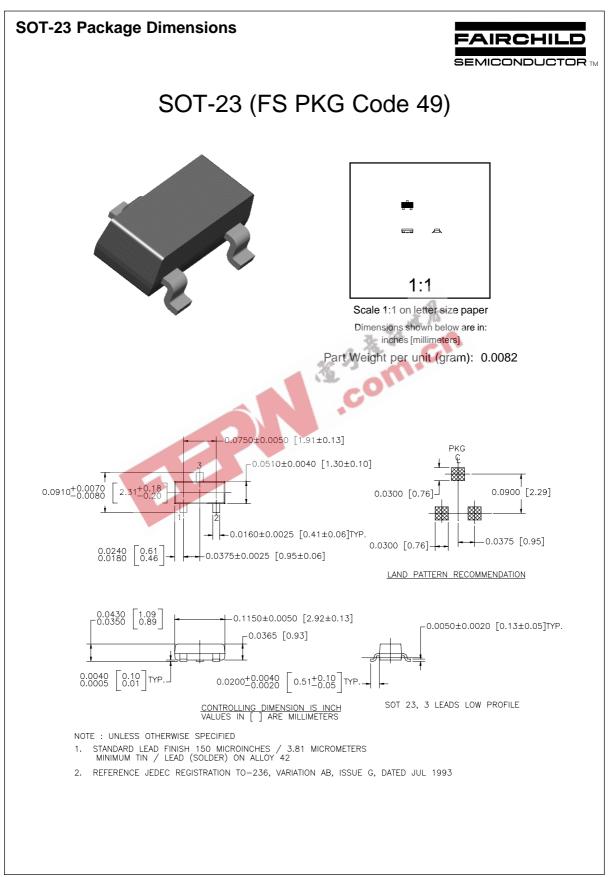








September 1999, Rev. C



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