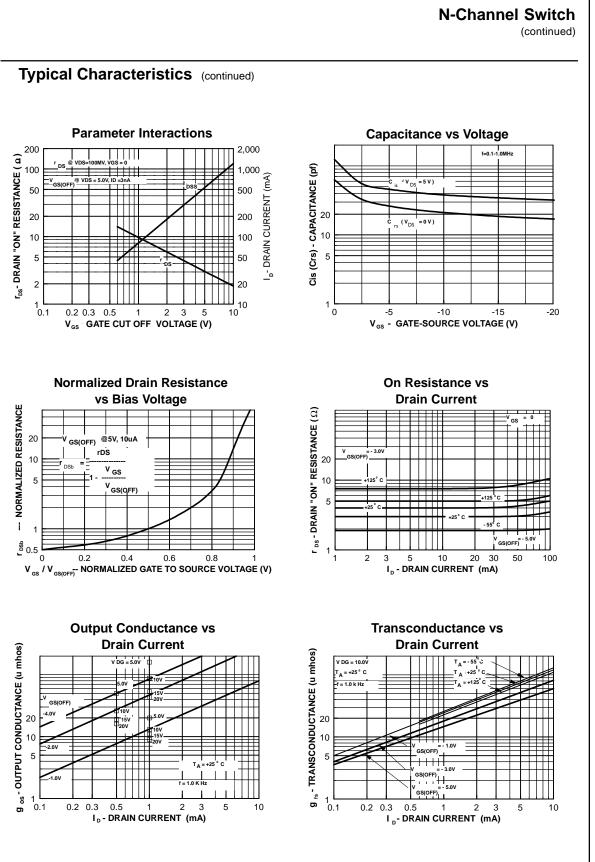


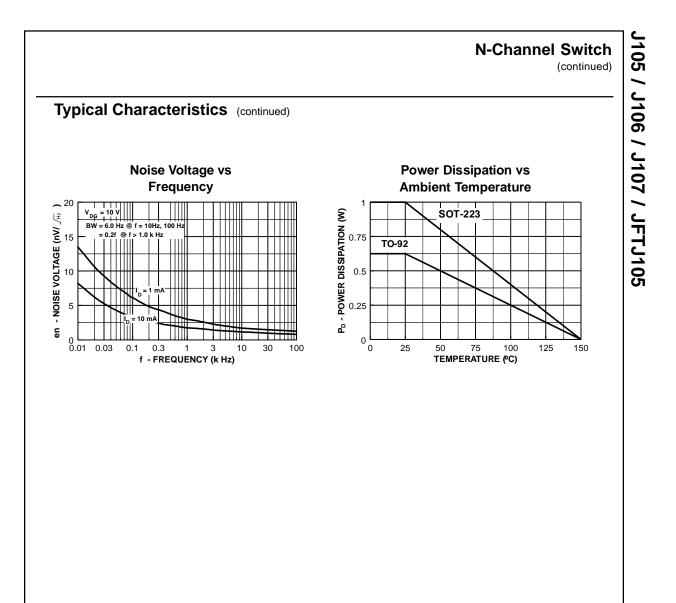
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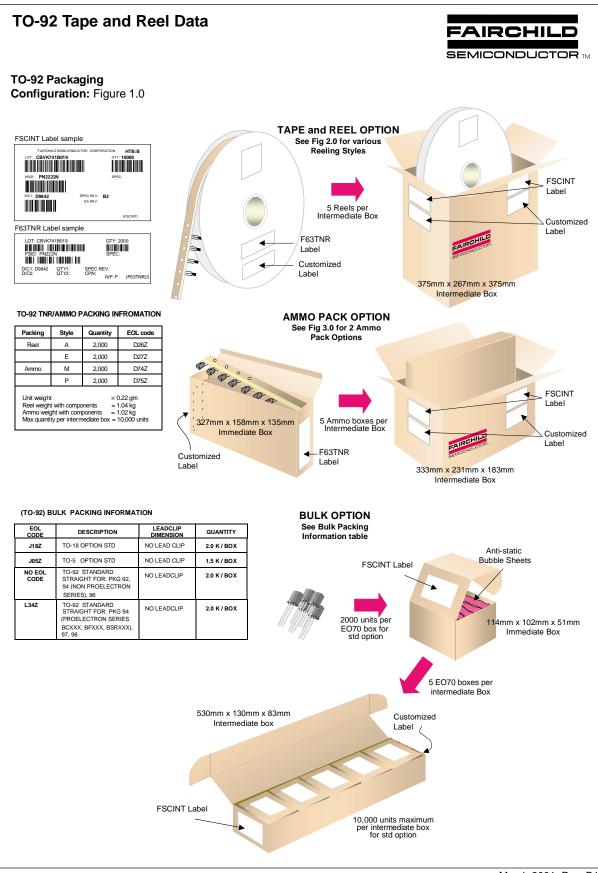
0		25°C unless otherwise noted	Min	Mari	11
Symbol	Parameter	Test Conditions	Min	Max	Units
	RACTERISTICS				
/ <sub>(BR)GSS</sub>	Gate-Source Breakdown Voltage	I <sub>G</sub> = - 10 μA, V <sub>DS</sub> = 0	- 25		V
SS	Gate Reverse Current	$V_{GS} = -15 \text{ V}, \text{ V}_{DS} = 0$		- 3.0	nA
	Gate-Source Cutoff Voltage	$V_{GS} = -15 \text{ V}, V_{DS} = 0, T_A = 100^{\circ}\text{C}$ $V_{DS} = -5.0 \text{ V}, V_{GS} = -10 \text{ V}$		- 200 3.0	nA nA
D(off)	Gate-Source Cutoff Voltage	$V_{DS} = -5.0 \text{ V}, V_{GS} = -10 \text{ V}$ $V_{DS} = 5.0 \text{ V}, I_D = 1.0 \mu\text{A}$ <b>105</b>	- 4.5	- 10	V
65(01)		106	- 2.0	- 6.0	V
		107	- 0.5	- 4.5	V
	ACTERISTICS Zero-Gate Voltage Drain Current*	V <sub>DS</sub> = 15 V, I <sub>GS</sub> = 0 <b>105</b>	500		mA
000		106	200		mA
	Drain-Source On Resistance	$\frac{107}{V_{DS} \le 0.1 \text{ V}, \text{ V}_{GS} = 0}$	100	3.0	mA Ω
DS(on)		106 vos 2 0.1 v, vos 2 0		6.0	Ω
		107		8.0	Ω
	GNAL CHARACTERISTICS				
	Drain Gate & Source Gate On	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz		160	pF
	Capacitance	$v_{DS} = 0, v_{GS} = 10, v_{1} = 1.0, v_{1} = 1.2$		100	P
sg(on) dg(off)	Drain-Gate Off Capacitance	$V_{DS} = 0, V_{GS} = 10 V, f = 1.0 MHz$		35	pF
sg(on) dg(off) sg(off)	Drain-Gate Off Capacitance Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0%	$V_{DS} = 0, V_{GS} = 10 V, f = 1.0 MHz$ $V_{DS} = 0, V_{GS} = 10 V, f = 1.0 MHz$		35 35	pF pF
	Source-Gate Off Capacitance		Drain-S	35	-
sg(on) dg(off) *Pulse Test: I <b>Typica</b>	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0%	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Commor Char	Drain-S acteristic	35 ource	-
sg(on) dg(off) sg(off) *Pulse Test: I <b>Typica</b>	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% Al Characteristics Common Drain-Source Characteristics	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Commor Char		35 ource cs	pF
sg(on) dg(off) sg(off) *Pulse Test: I <b>Typica</b>	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% Al Characteristics Common Drain-Source	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Commor Char		35 ource	pF
sg(on) dg(off) *Pulse Test: I Typica	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% Al Characteristics Common Drain-Source Characteristics	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Commor Char	acteristic	ource	pF
sg(on) dg(off) *Pulse Test: I Typica	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% Al Characteristics Common Drain-Source Characteristics	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Commor Char	acteristic	ource	pF
sg(on) dg(off) *Pulse Test: I Typica	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% Al Characteristics Common Drain-Source Characteristics	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Commor Char	-0.1V	ource	pF
sg(on) dg(off) sg(off) *Pulse Test: I <b>Typica</b>	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% Al Characteristics Common Drain-Source Characteristics	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Common Char 40 40 40 40 40 40 40 40 40 40	-0.1V	ource	pF
sg(on) dg(off) sg(off) *Pulse Test: 1 Typica 150 100 100	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% al Characteristics Common Drain-Source Characteristics	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Commor Char 0 0 0 0 0 0 0 0 0 0 0 0 0	-0.1V	ource	pF
sg(on) dg(off) *Pulse Test: I <b>Typica</b>	Source-Gate Off Capacitance Pulse Width ≤ 300 µs, Duty Cycle ≤ 2.0% al Characteristics Common Drain-Source Characteristics	V <sub>DS</sub> = 0, V <sub>GS</sub> = 10 V, f = 1.0 MHz Common Char $v_{g\bar{s}}^{0} v_{g\bar{s}}^{0} v_{g\bar{s}}^{0}$	-0.1V -0.1V -0.2V -0.3V -0.3V		pF

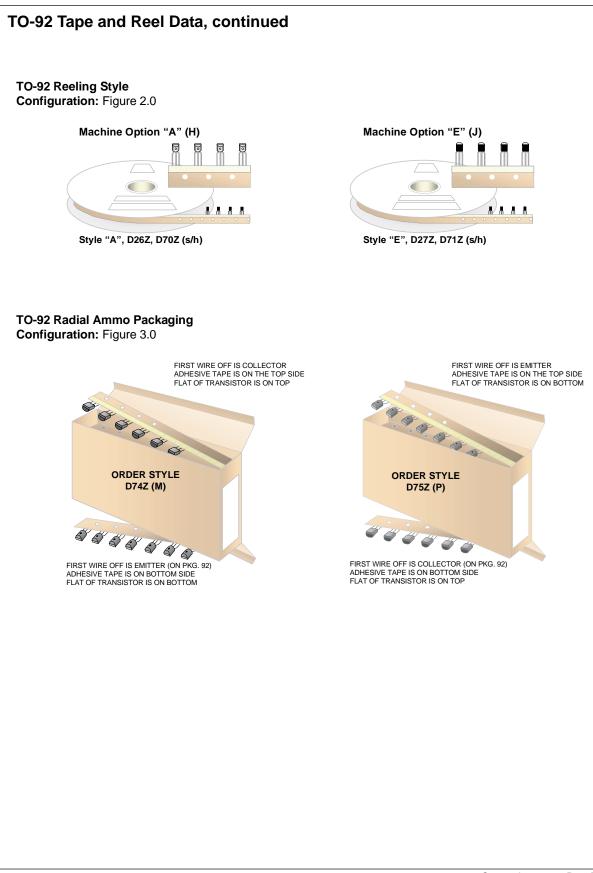
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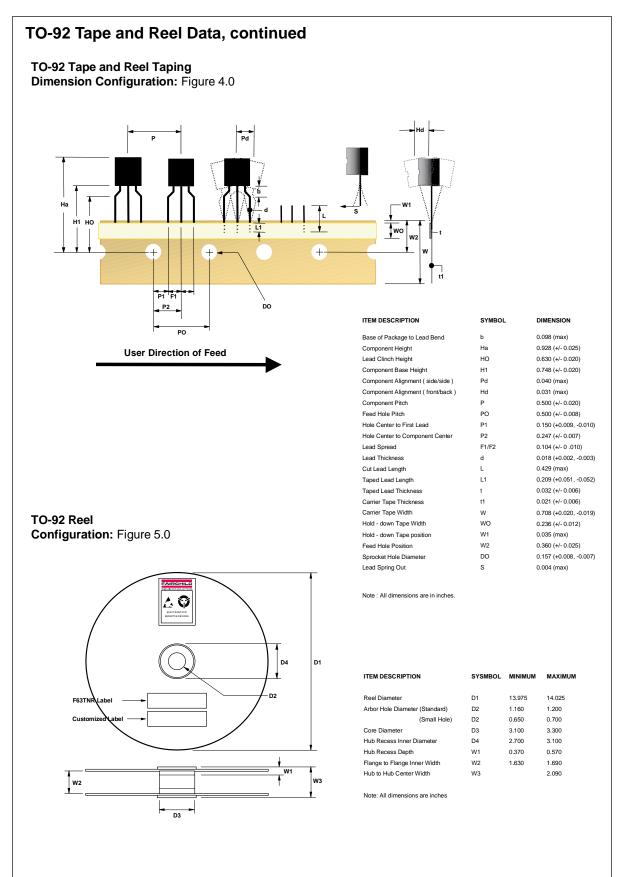


J105 / J106 / J107 / JFTJ105

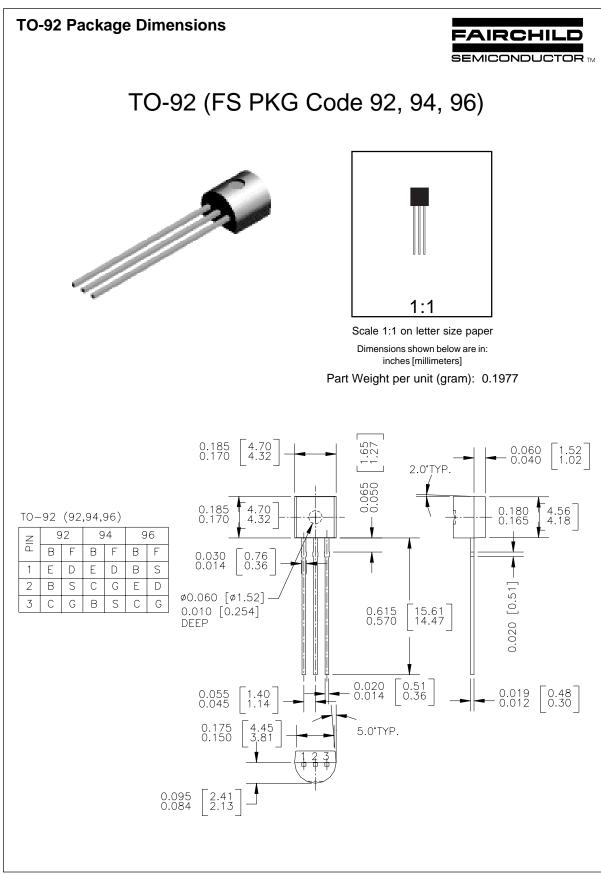


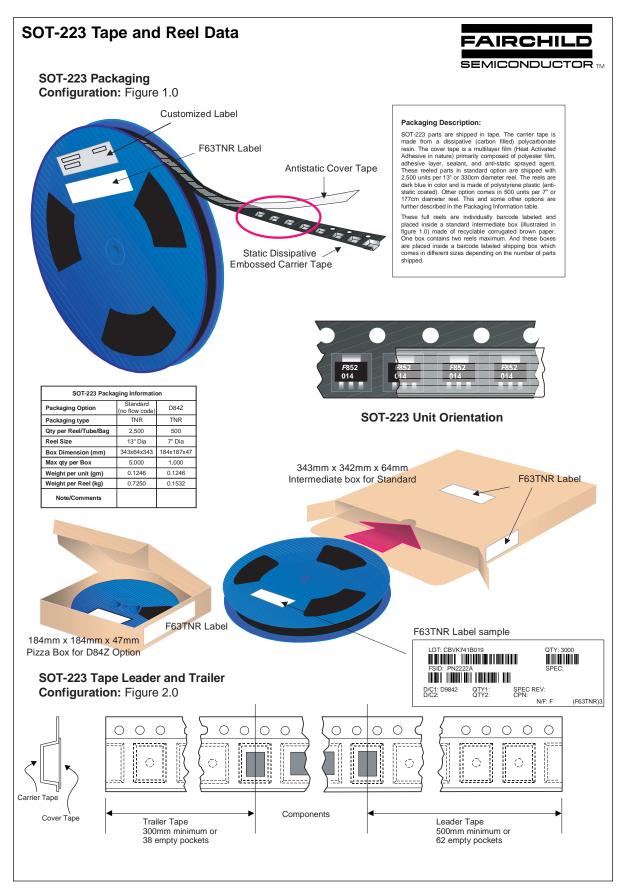


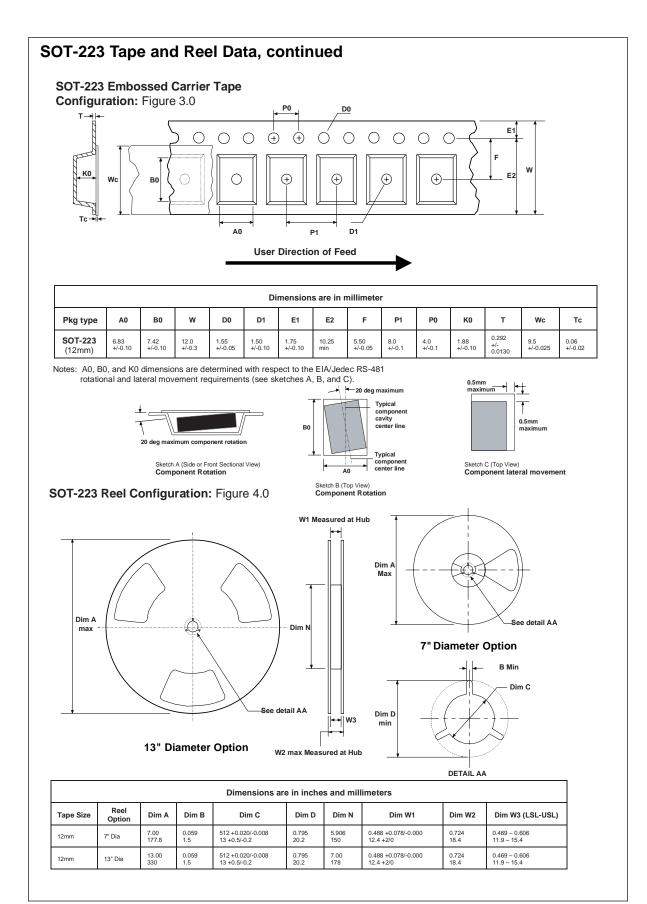


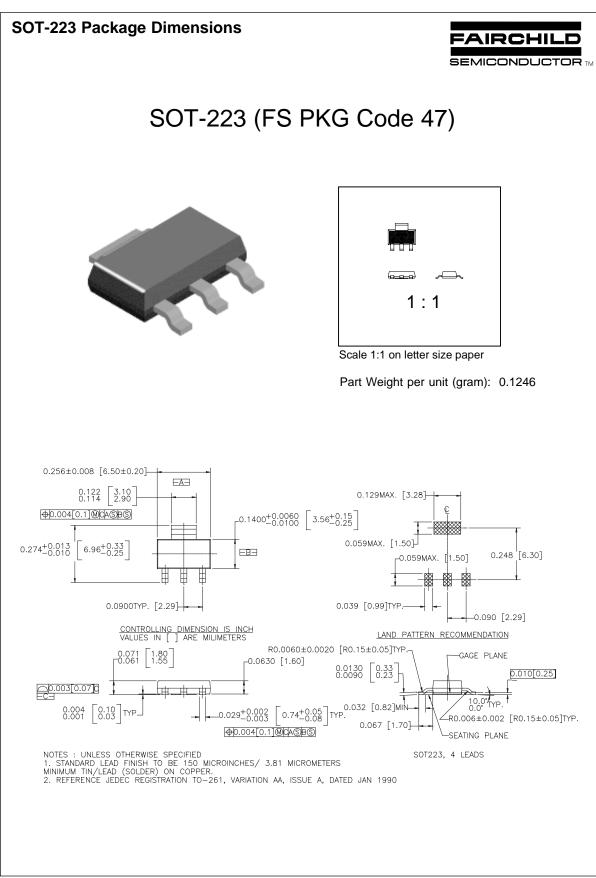


# July 1999, Rev. A









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