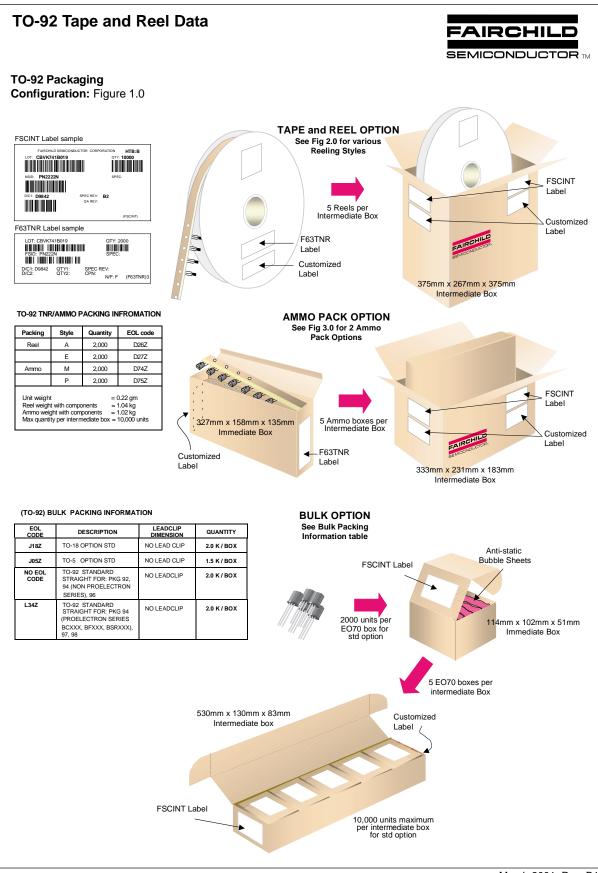


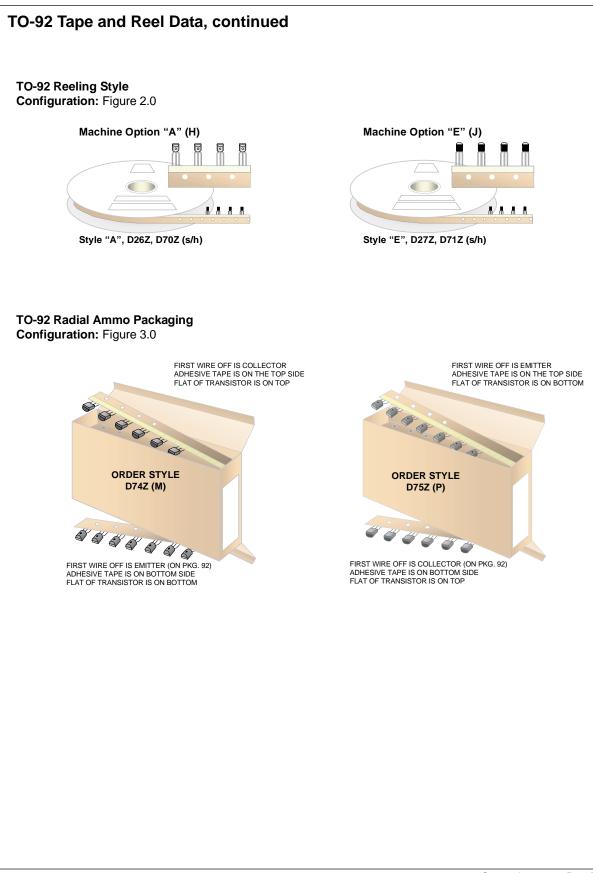
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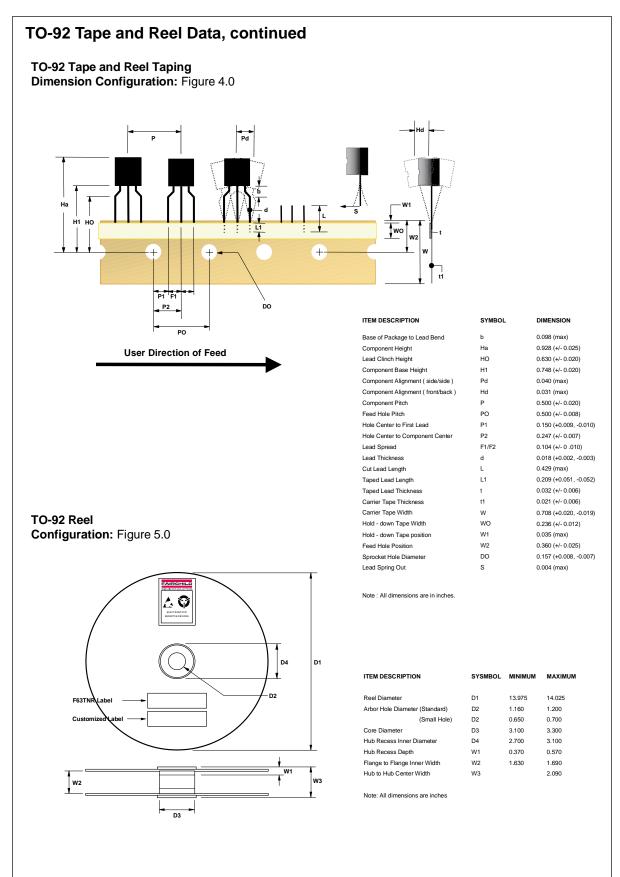
PN5432/PN5433/PN5434, Rev B

			N-Cł	nannel	Switc (continue
Electr	ical Characteristics	A = 25°C unless otherwise noted		1	T
Symbol	Parameter	Test Conditions	Min	Max	Units
OFF CHA	RACTERISTICS				
√ _{(BR)GSS}	Gate-Source Breakdown Voltage	$I_{G} = 1.0 \ \mu A, \ V_{DS} = 0$	-25		V
GSS	Gate Reverse Current	$V_{GS} = 15 V, V_{DS} = 0$ $V_{GS} = 15 V, V_{DS} = 0, T_{A} = 150 \text{ °C}$		-200 -200	pA nA
D(off)	Drain Cutoff Leakage Voltage	$V_{GS} = 15 V, V_{DS} = 0, T_A = 150 \text{ °C}$ $V_{GS} = 10 V, V_{DS} = 5.0 V$ $V_{GS} = 10 V, V_{DS} = 5.0 V,$ $T_{C} = 150 \text{ °C}$		-200 -200	рА
V _{GS(off)}	Gate-Source Cutoff Voltage	$\begin{array}{c c} T_{A} = 150 \ ^{\circ}\text{C} \\ \hline V_{DS} = 5.0 \ \text{V}, \ \text{I}_{D} = 3.0 \ \text{nA} \\ \hline 543 \\ 543 \\ 543 \end{array}$	3 -3.0	-200 -10 -9.0 -4.0	nA V V V
	ACTERISTICS Zero-Gate Voltage Drain Current*	$V_{DS} = 15 V, V_{GS} = 0$ 543 543			mA mA
I _{DSS}	Zero-Gate Voltage Drain Current*				
		543			mA mA
V _{DS(on)}	Drain-Source On Voltage	$I_D = 10 \text{ mA}, V_{GS} = 0$ 543		50	mV
		543		70	mV
		543	34	100	mV
r _{DS(on)}	Drain-Source On Resistance	$I_{\rm D} = 10 \text{ mA}, V_{\rm GS} = 0$ 543		5.0	Ω
		543	-	7.0	Ω
		543 I _D = 0, V _{GS} = 0, f = 1.0 kHz	54	10	Ω
		$10 = 0, V_{GS} = 0, 1 = 1.0 \text{ km}^2$	32 2.0	5.0	Ω
		543	-	7.0	Ω
		543	34	10	Ω
SMALL S	IGNAL CHARACTERISTICS				
C _{iss}	Input Capacitance	$V_{DS} = 0$, $V_{GS} = 10$ V, f = 1.0 MHz		30	pF
C _{rss}	Reverse Transfer Capacitance	$V_{DS} = 0$, $V_{GS} = 10$ V, f = 1.0 MHz		15	pF
SWITCHI	NG CHARACTERISTICS				
t _d	Delay Time	$V_{DD} = 1.5 V, V_{GS(on)} = 0,$		4.0	ns
- tr	Rise Time	$I_{D(on)} = 10 \text{ mA}$		1.0	ns
	Storage Time	$V_{GS(off)} = 12 V,$			
			32	6.0	ns
		$V_{DS(on)} = 30 111 V$ 34.			
t _s			33	6.0	ns
				6.0 6.0	ns ns

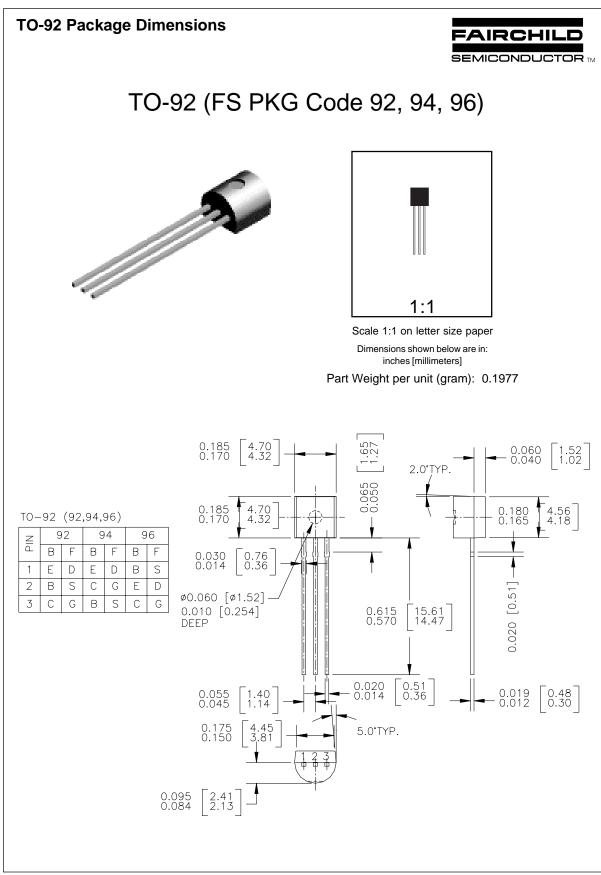
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July 1999, Rev. A



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