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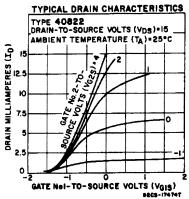
FAX: (973) 376-8960



FIELD-EFFECT TRANSISTOR

Si dual insulated-gate field-effect (mos) n-channel depletion type with integrated gate-protection circuits used for rf-amplifier applications in vhf television receivers and other commercial equipment operating at frequencies up to 250 MHz. JEDEC TO-72. Outline No.28. This type is identical with type 40820 except

for the following items, For typical forward transconductance characteristics curves, refer to type 3N187.



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DRAIN MILLIAMPERES (ID)				7.7	12	 ╁╌	†
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	GAT	E Noi	-TO-	SOU	RCE		19)

.230 .209 DIA. TO-72 210 .170 SEATING PLANE
.500 MIN. 4 LEADS
INSULATION
28

MAXIMUM	RAT	INGS
Drain-to-Sou	irce	Voltar

Drain-to-Source Voltage Drain-to-Gate No. 1 Voltage Drain-to-Gate No. 2 Voltage		-0.2 to 18 24 24	V V				
CHARACTERISTICS							
Gate No. 1-to-Source Cutoff Voltage							
$(V_{D8} = 15 \text{ V}, I_D = 50 \mu A, V_{G28} = 4 \text{ V}) \dots$	Vois (off)	-2 typ; -4 max	v				
Gate No. 2-to-Source Cutoff Voltage							
$(V_{D8} = 15 \text{ V}, I_{D} = 50 \mu\text{A}, V_{G18} = 0) \dots$	V _{G28} (off)	-2 typ; -4 max	V				
Zero-Bias Drain Current	_						
(VDs = 15 V, Vq1s = 0, Vq2s = 4 V)	IDS	5 to 30	mA				
Small-Signal Input Capacitance:							
$(V_{D8} = 15 V, I_{D} = 10 \text{ mA}, V_{G98} = 4 V,$	_						
f = 1 MHz	Ciss	6.5 typ; 9.5 max	рF				
Power Gain $(V_{DS} = 15 \text{ V}, I_D = 10 \text{ mA}.$	_						
V _{G=0} = 4 V, f = 200 MHz)	Gra	19 min; 24 typ	d₿				
Noise Figure ($V_{DS} = 15 \text{ V}$, $I_D = 10 \text{ mA}$,							
Voza = 4 V, f = 200 MHz)	NF	2 typ; 3.5 max	₫B				
t Capacitance between gate No. 1 and all other terminals.							

