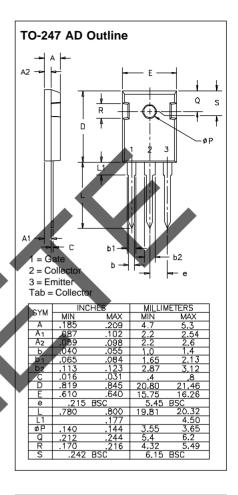
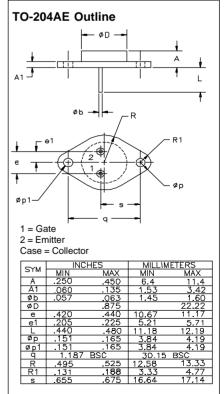


Symbol	Test Conditions Cha $(T_J = 25^{\circ}\text{C}, \text{ unless c} \text{min.})$		stic Value se speci	
${f g}_{\sf fs}$	$I_{C} = I_{C90}$; $V_{CE} = 10 \text{ V}$, 6 Pulse test, t \leq 300 μ s, duty cycle \leq 2 %	15		S
C _{ies} C _{oes} C _{res}	$ V_{CE} = 25 \text{ V}, V_{GE} = 0 \text{ V}, f = 1 \text{ MHz} $	1500 175 40		pF pF pF
Q _g Q _{ge} Q _{gc}		100 20 60	120 30 90	nC nC nC
$\mathbf{t}_{d(on)}$ \mathbf{t}_{ri} $\mathbf{t}_{d(off)}$ \mathbf{t}_{fi} \mathbf{E}_{off}	Inductive load, T_J = 25°C $I_C = I_{C90}, V_{GE} = 15 \text{ V}, L = 300 \mu\text{H}, V_{CE} = 0.8 V_{CES}, R_G = R_{off} = 82 \Omega$ Remarks: Switching times may increase for V_{CE} (Clamp) > 0.8 • V_{CES} , higher T_J or increased R_G 17N100A	100 200 500 750 450 3	1000 750	ns ns ns ns ns ns
t _{d(on)} t _{ri} E _{on} t _{d(off)} t _{li}	Inductive load, T_J = 125°C $I_C = I_{C90}, V_{GE} = 15 \text{ V}, L = 300 \mu\text{H}$ $V_{CE} = 0.8 V_{CES}, R_G = R_{off} = 82 \Omega$ Remarks: Switching times may increase for V_{CE} (Clamp) > 0.8 • V_{CES} , higher T_J or increased R_B 17N100 17N100A	100 200 2.5 700 1200 750	1000 2000 1000	ns ns mJ ns ns ns mJ mJ
R _{thJC}		0.25		K/W

IXGH 17N100 and IXGH 17N100 A characteristic curves are located on the IXGH 17N100U1 and IXGH 17N100AU1 data sheets.





IXYS reserves the right to change limits, test conditions, and dimensions.



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