

EC3A01H

Continued from preceding page.

[$T_a=25^{\circ}\text{C}$, $V_{CC}=4.5\text{V}$, $R_L=1\text{k}\Omega$, $C_{in}=15\text{pF}$, See Specified Test Circuit]

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Voltage Gain	G_V	$f=1\text{kHz}$, $V_{IN}=10\text{mV}$		-3.0		dB
Reduced Voltage Characteristics	ΔG_{VV}	$f=1\text{kHz}$, $V_{IN}=10\text{mV}$, $V_{CC}=4.5 \rightarrow 1.5\text{V}$		-1.2	-3.5	dB
Frequency Characteristics	ΔG_{vf}	$f=1\text{kHz} \rightarrow 110\text{kHz}$			-1.0	dB
Input Impedance	Z_{IN}	$f=1\text{kHz}$	25			$\text{M}\Omega$
Output Impedance	Z_O	$f=1\text{kHz}$		1000		Ω
Total Harmonic Distortion	THD	$f=1\text{kHz}$, $V_{IN}=30\text{mV}$		1.2		%
Output Noise Voltage	V_{NO}	$V_{IN}=0$, A Curve			-110	dB

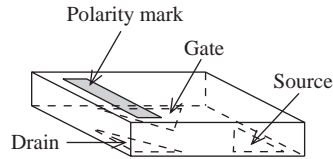
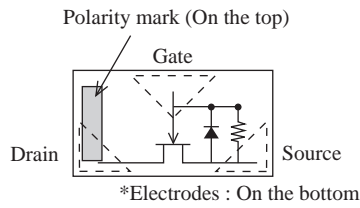
*EC3A01H is classified by I_{DSS} as follows. (unit : μA)

I_{DSS}	V4	V5
	140 to 240	210 to 350

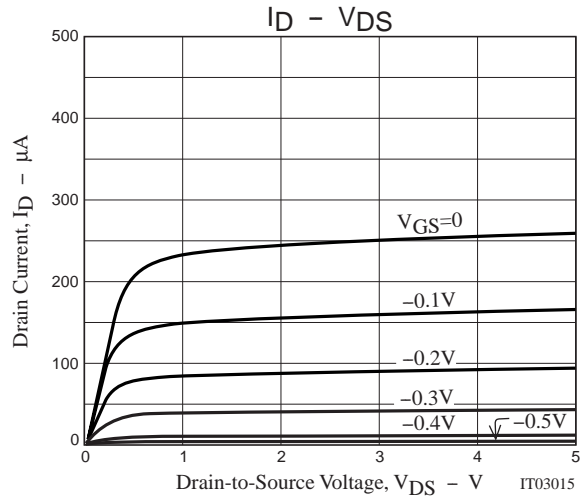
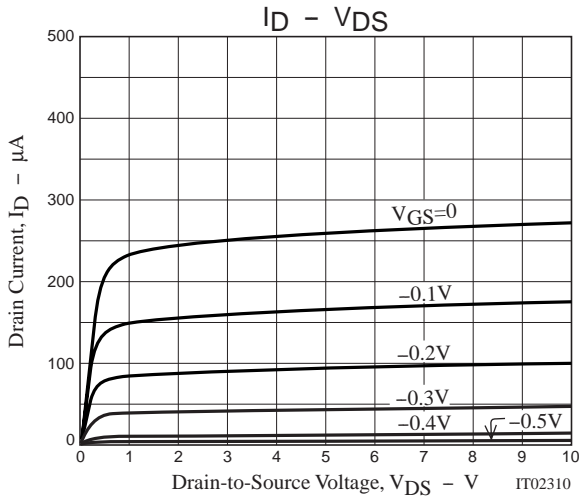
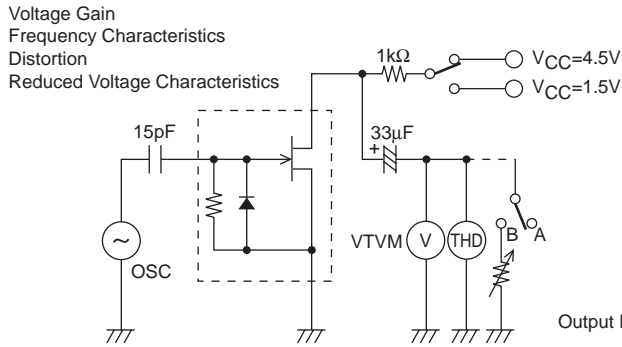
Type No. Indication (Top view)



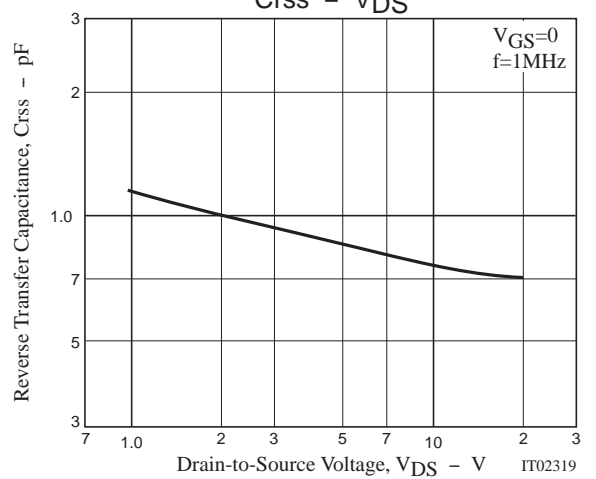
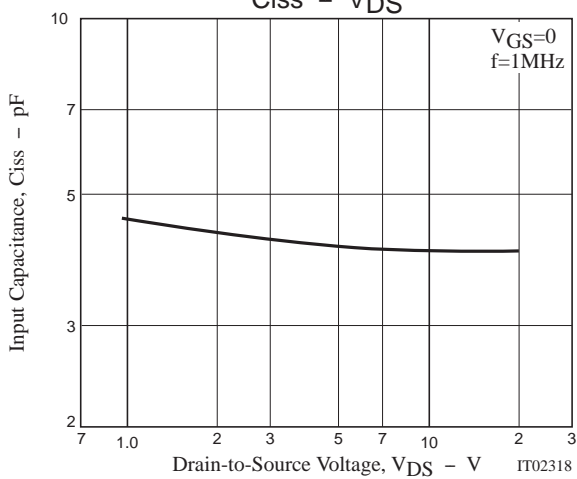
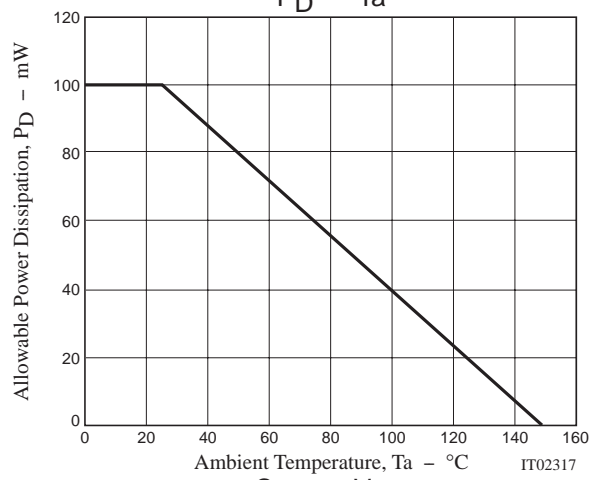
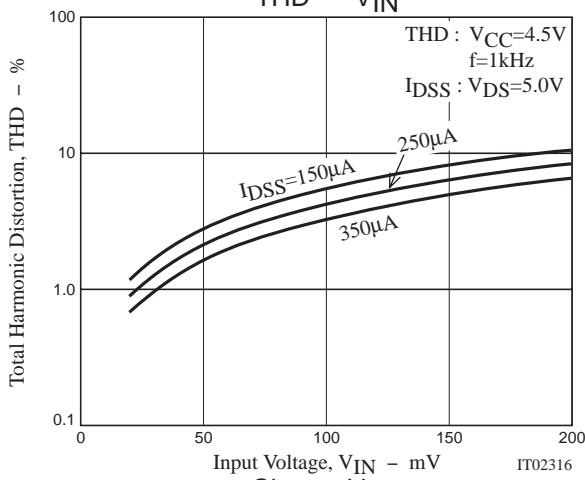
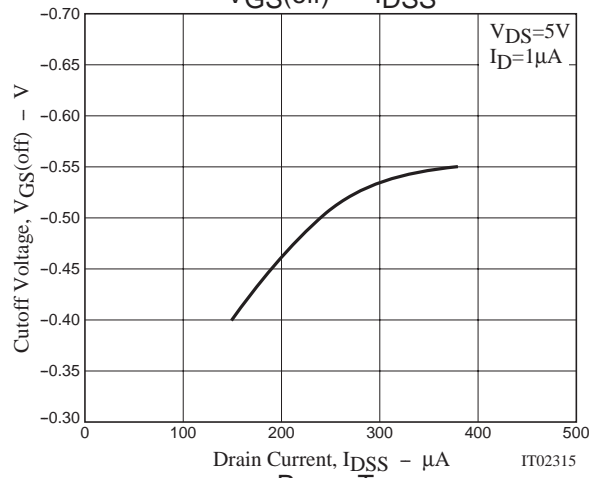
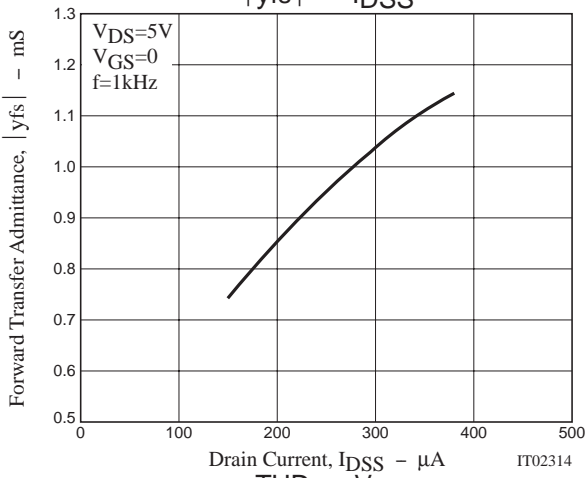
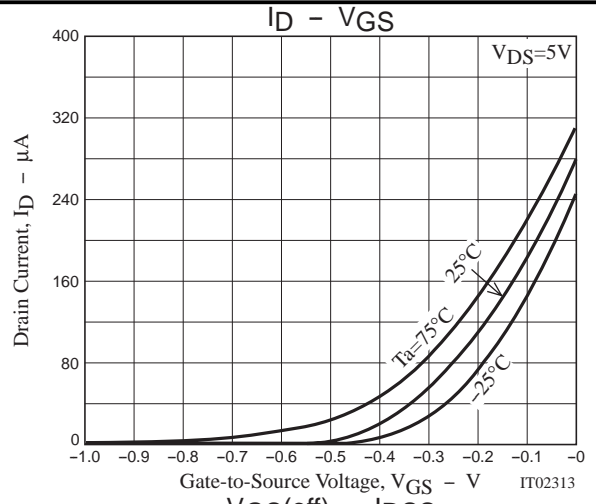
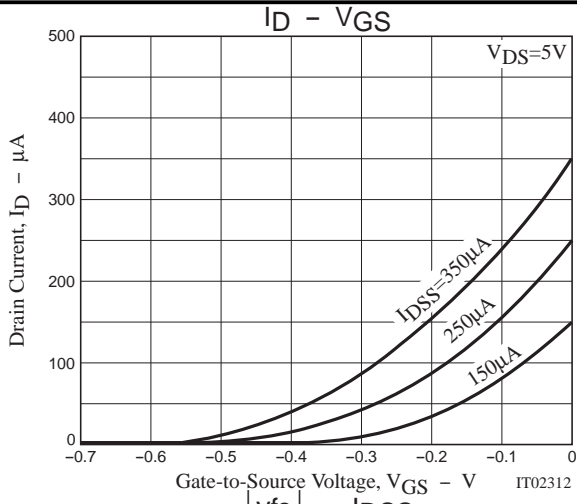
Electrical Connection (Top view)



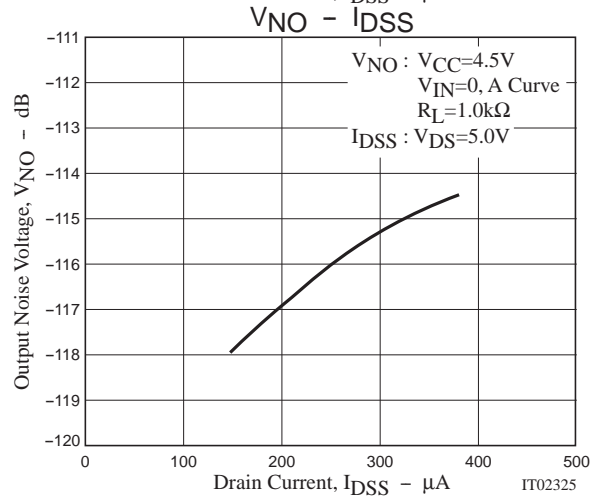
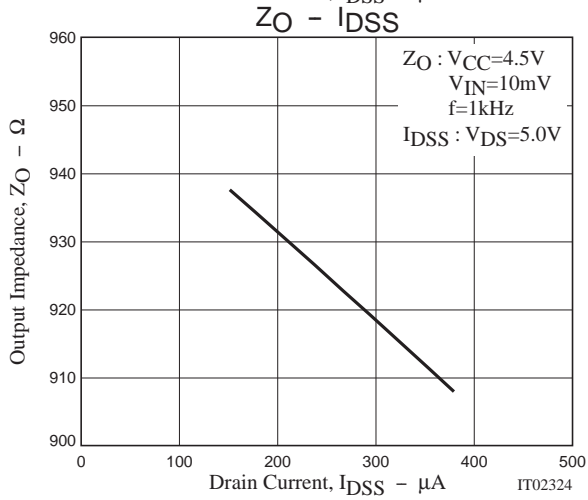
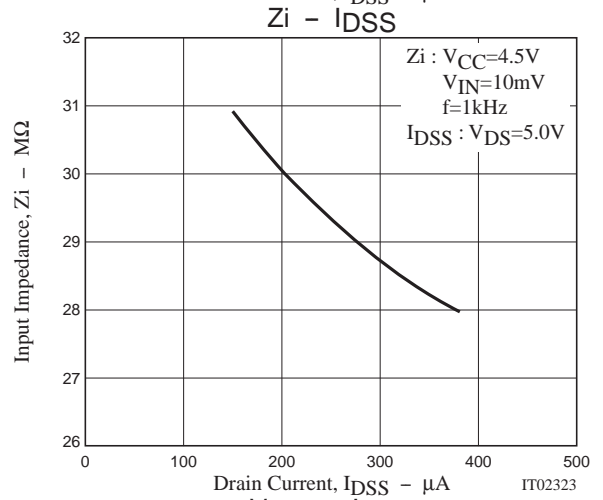
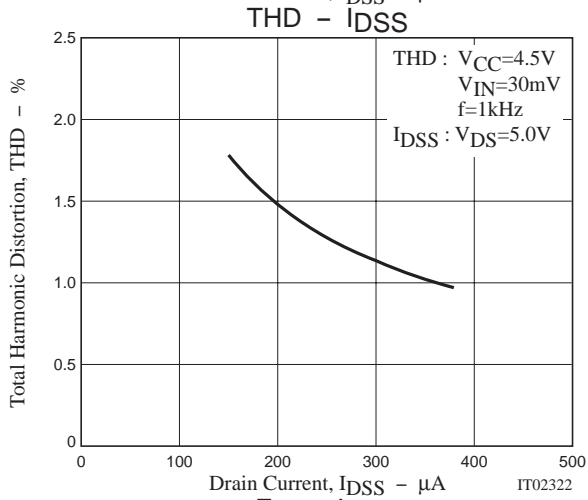
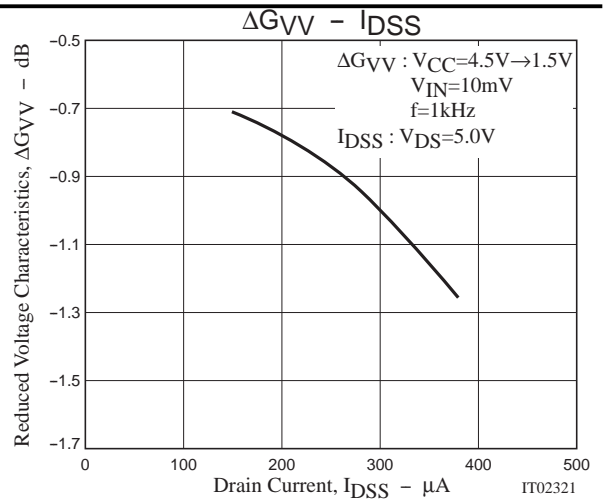
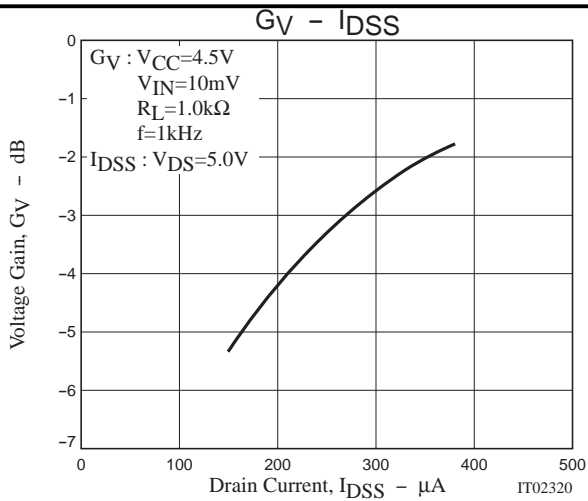
Test Circuit



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