

AXSC

AXS Confidential

AXS2103

3.1W

AB/D

CLASS D Mode Electrical Characteristics

(VDD =5V, Gain=23dB, RL =4

Symbol	Parameter	Test Conditions		MIN	TYP	MAX	
V _{IN}				2.5	-	5.5	V
P _O	D	THD+N=10%,f=1KHZ,RL	V _{DD} =5.0V		3.1		W
			V _{DD} =3.6V		1.7		
		THD+N=1%,f=1KHZ,RL	V _{DD} =5.0V		2.6		W
			V _{DD} =3.6V		1.45		
		THD+N=10%,f=1KHZ,RL=8	V _{DD} =5.0V		1.8		W
			V _{DD} =3.6V		1.05		
		THD+N=1%,f=1KHZ,RL=8	V _{DD} =5.0V		1.5		W
			V _{DD} =3.6V		0.87		

V_{DD}=5.0V, P_O=0.5W, RL

f=1KHz

0.02

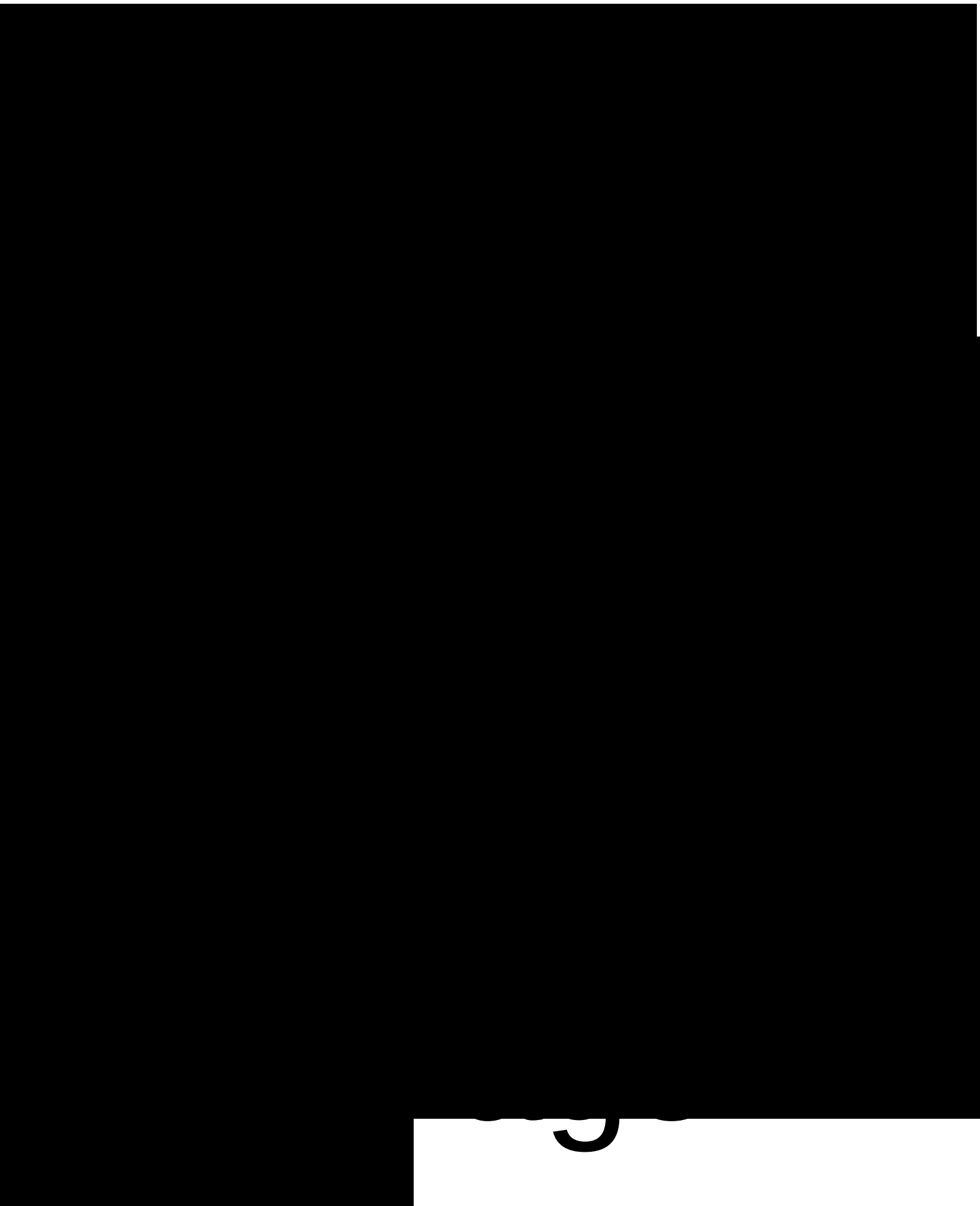
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THD+N

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(Ri)

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(RI)

RF)

$$A_v = \frac{R_f}{R_i + 5} \left(\frac{V}{V} \right)$$

RI

AXS2103

5K

Rf 400K

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+

$$\frac{1}{(2\pi R_i C_i)}$$

AXSC

AXSCo