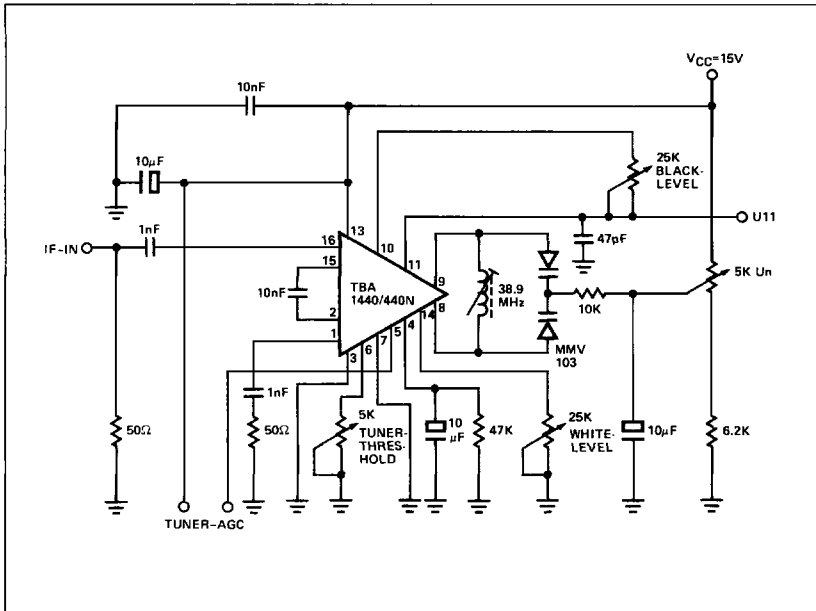


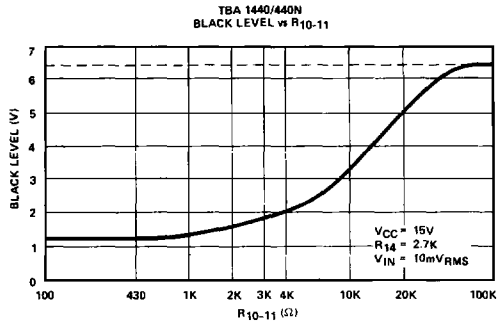
ELECTRICAL CHARACTERISTICS

PARAMETER	MIN	TYP	MAX	UNIT
V _{CC}	10.5	15	16.5	V
I _{CC} (V _{CC} =15 V)		40	45	mA
V ₁₁₀ V ₁₁ -DC/R ₁₄ =0	7.9	8.2	8.5	V
V ₁₁ V ₁₁ -DC/R ₁₄ =∞	5.4	5.8	6.2	V
V ₁₂₀ V ₁₂ -DC/R ₁₄ =0	2.4	2.8	3.0	V
V ₁₂ V ₁₂ -DC/R ₁₄ =∞	1.25	1.6	1.8	V
-V ₁₀ Threshold for sync. level (R ₁₀ -11=0)	0.7	1.0	1.3	V
-V ₇ Negative gating pulse	0.25	1	7	V
V _{4max} Gain control voltage: Gain max		0.5	1	V
V _{4min} Gain min		1.6	2	V
V _{1/16} Minimum input voltage (V ₁₁ =3 Vpp)		500	750	μV
V ₁₁ Videoband width (-3dB)	5.5	6	7	MHz
AGC range	50	55		dB
Maximum IF voltage Level present at Video outputs		60	70	mV
Input impedance	Gain max	1.8		kΩ
		2.0		pF
	Gain min	1.9		kΩ
		1.9		pF

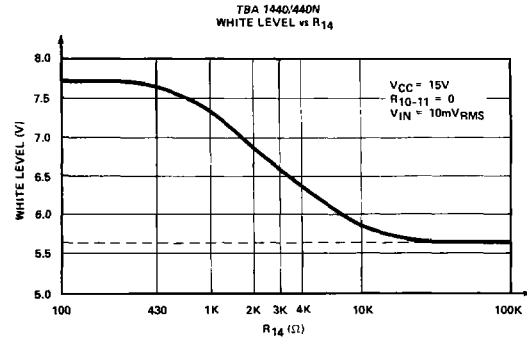
TEST CIRCUIT



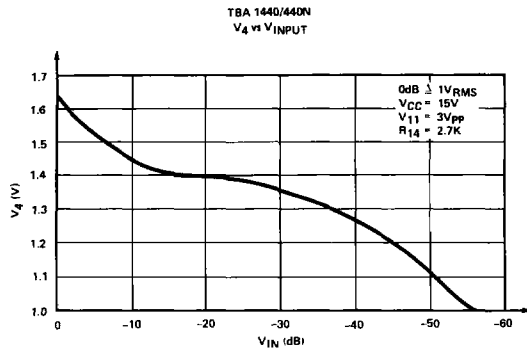
BLACK LEVEL VS. R₁₀₋₁₁



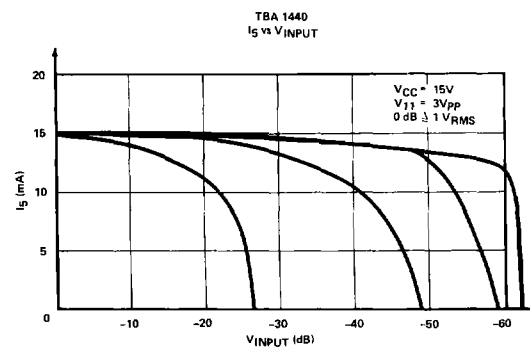
WHITE LEVEL VS. R₁₄



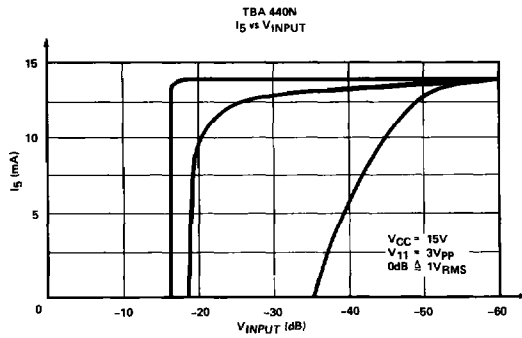
V₄ VS. V INPUT



**I₅ VS. V INPUT
TBA1440**



**I₅ VS. V INPUT
TBA440N**



ANALOG