Application Notes and Technical Papers

APPLICATION NOTES - NUMERIC LISTING

APP-41	Stable Wideband Emitter Followers — Paul J. Beneteau	APP-124	Designing with Off-the-Shelf Linear Microcircuits — Robert Widlar and James Giles
APP-59	An Improved Emitter-Coupled Multivibrator — P. J. Beneteau and A. Evangeliste	APP-125	A Versatile Tester for Linear Integrated Circuits — James Giles
APP-61/2	Long Delay Transistor Timer — P. Alderisio	ADD 120	Complementary Transistor Micrologic® Integrated
APP-64	Application of Milliwatt Micrologic® Elements — H. T. Chua	APP-128	Circuits — R. C. Ghest
APP-85	Micrologic® Shift Counters — George Powers	APP-130	Aids for Digital IC Systems—Murray Siegel and Lee Marley
APP-87	A Varactor Bias Servo System — Bruce O. Anderson	APP-131	Transistor-Transistor Micrologic® Integrated Circuits —
APP-88	Medium Power Silicon Transistor DC to DC Converters — Thomas B. Mills	APP-132	John Nichols Single-Phase Control for Cycloconverter — Samuel Schwartz
APP-93	Transient Response Characteristics of Phototransistors — George T. Daughters	APP-133	Precision Electronic Digital Clock Uses IC's — B. Jensen and J. Irwin
APP-103	Applications of the Silicon Planar* Field-Effect Transistor — Larry Blaser and John MacDougall	APP-134	Effect of Integrated Circuits on Systems — Comparative Case — Robert Ricks
APP-105	A Monolithic Operational Amplifier — Robert Widlar	APP-135	Performance of the $\mu\text{A}703$ in 100 MHz and 200 MHz Amplifiers and 100 MHz Harmonic Mixers — David Bingham
APP-106	Using Fairchild Integrated Circuits as Monostable Multivibrators — Robert Ricks		
APP-107	Diode Transistor Micrologic® — George Powers	APP-139	Multivibrator-Type Vertical-Deflection Circuit for Television — J. S. MacDougall
APP-109	Applications of the Silicon Planar* II MOS FET — John MacDougall	APP-141	Transistorized TV Horizontal Driver System — Larry Blaser and Hermann Ebenhoech
APP-111	The Improved $\mu A702^{**}$ Wideband DC Amplifier — Robert Widlar	APP-142	15-Watt Audio Amplifier with Short-Circuit Protection — Don Smith
APP-114	μ A702** Circuit Design Ideas — (Six Authors)	APP-143	A Horizontal Oscillator for Transistorized TV Set —
APP-115	Maximum Integrated Circuit Utilization Through Mixing Compatible Logic Families — Robert Ricks	WLL-142	Larry Blaser and Hermann Ebenhoech
APP-116	The Operation and Use of a Fast Integrated Circuit Comparator — Robert Widlar	APP-144	Frequency Synthesizer for 27 MHz Citizens' Band Transceiver — Larry Blaser
APP-117	Frequency Compensation Techniques for an Integrated Operational Amplifier — James Giles	APP-145	Color Television Chroma Reference Systems Using the μA703 — Larry Blaser and Norm Sturn
APP-118	A DE LA DE LA DELLA DELL	APP-146	Color TV Sound System Using the Fairchild μ A703 — Larry Blaser
APP-119	Ways to Increase Speed in Large Count Binary Counters — s Jack Irwin	APP-147	Characterization and Application of #A703 in Four-Stage High-Quality FM IF Amplifier — David Bingham
APP-120	Using the J-K Flip-Flop in Small Modulo Counters — Jack Irwin	APP-148	25-Watt Audio Amplifier with Short-Circuit Protection — Derek Bray and Wesley Votipka
APP-121	A High-Efficiency Power Supply Using Micrologic® Integrated Circuits — Samuel Schwartz	APP-149	Semiconductor Circuits for 19-inch Black and White Television Receivers — Derek Bray
APP-123	Core Memory Sense Amplifier Designs Using an Integrated Dual Comparator — Robert Widlar	APP-150	Semiconductor Circuits for Hybrid Color Television — Derek Bray

^{*}Planar is a patented Fairchild process.

^{**}The μ A702 is renumbered the μ A702A.

APPLICATION NOTES/TECHNICAL PAPERS, NUMERIC LISTING

APP-151	High-Performance Integrated FM IF Strips — Ted Hanna	TP-28 TP-31	Measurement of Transistor High-Frequency Current Gain — Heitor Franco
APP-152	250 MHz Distributed Amplifier Suitable for CATV Truck Line — Larry Blaser and Norman Sturn		An FM Tuner Using MOS-FET's and Integrated Circuits —
APP-153	Logic Designs Using the $TT\mu$ L9008 — Clive Ghest		John Barrett, Larry Blaser, and Harry Suzuki
APP-154	Compatible Current Sinking Logic — Abe Marder and Ralph Bennett	TP-32	A Unique Circuit Design for a High-Performance, Operational Amplifier Especially Suited to Monolithic Construction — Robert Widlar
APP-155	Industrial Code Conversion — Don Femling	TP-33	Some Circuit Design Techniques for Linear Integrated
APP-156	Designing with the $\mu \rm A703$ Monolithic RF-IF Amplifier — G. J. Estep		Circuits — Robert Widlar
		TP-35	A Black and White and Color TV Video I-F Output Transistor — Derek Bray and Philip Froess
APP-157	A Fixed-Gain Low-Distortion AF Amplifier — G. J. Estep		
APP-158	Two High-Performance Monolithic Microcircuits for FM Sound System — David Bingham	TP-36	A Low Noise, AGC Silicon Transistor Useful From LF to UHF — David Bingham, Harry Suzuki, and Charles Watson
APP-159	A Low-Cost AM-FM Radio Employing an Integrated Circuit Design — David Bingham and John (Ted) Hanna	TP-37	Integrated Circuits in Industrial Control — Donald Femling and Jack Irwin
APP-160	Applications of the CCSL 9301 Decoder — R. Clive Ghest	TP-38	Semiconductor Video Amplifiers for Monochrome and Color Receivers — Derek Bray
APP-161	CCSL 9300 Shift Register — John L. Nichols	TP-39	A New 400-Volt Horizontal Output Transistor — T. B. Mills and E. F. Kiburis
APP-163	Applications of the CCSL 9304 Dual Adder — R. Clive Ghest	00	
		TP-40	Radiation Testing of Linear Microcircuits — J. Darryl Lieux
APP-164	Application of the μ A722 10-Bit Current Source — M. Rudin, G. Erdi, R. Walker, R. Ricks	TP-41	Space and Nuclear Environments and their Effects on Semiconductors — David K. Myers
APP-165	SH3200-SH3201 Hybrid DC Voltage Regulators — S. K. Leong	TP-42	Novel Multi-Purpose LIC's Introduce New Concepts into Circuit Design — David Bingham
APP-166	HLLDT μ L Integrated Circuits — R. Repass, O. Lykins	TP-43	Color TV Processing Using Integrated Circuits — Larry Blaser and Derek Bray
TP-24	Overloading and Spurious Responses in Transistor FM Tuners — Earl Cummins		
		TP-44	Let's Clarify IC Noise Margins — R. Clive Ghest
TP-27	Forward AGC Design Considerations in Transistorized Television Receivers — Harry Suzuki	TP-46	$TT\mu L$ Integrated Circuits: High Speed Considerations — R. C. Ghest