

Filters, Active

SEM110

	Mfr.	Pins	Description
4	NSC	8	4th Order Butterworth Low Pass Filter. 'CLK/C = 50 to 1
10	NSC	20	Monolithic Dual Switched Capacitor Filter, clock to centre-frequency ratio error $\pm 1.5\%$
14	TI	8	4th Order Butterworth Low Pass Filter (equiv. MF4-100)
42	BB	14	Universal Active Filter, (Butterworth, Bessel, Chebyshev etc.)
60	NSC	14	6th Order Butterworth Low Pass Filter. $f_{CLK} : f_{c/o}$ ratio 50:1
90	NSC	14	4th Order Elliptic Notch Filter
100	NSC	20	High Performance CMOS Dual Switched Capacitor Filter, clock to centre-frequency ratio error $\pm 0.2\%$ typ. Operation up to 100kHz (Improved MF10)
1062	LT	8	5th Order Low Pass Filter
1063	LT	8	5th Order Butterworth Low Pass Filter (clock sweepable without changing the input coupling network)
5841	NPC	18	Digital Audio Interpolation Filter with De-emphasis, Attenuation, Soft-mute functions
7480	MAX	8	8 th - Order, Low-Pass, Butterworth, Switched Capacitor Filter. Clock to Corner ratio 100:1, tunable corner frequency 1Hz to 2kHz
—	BB	—	FilterPro [®] Filter Design Program

Mfrs. List No.	Order Code	Price Each				
		1+	10+	100+	250+	500+
MF4CN50	405-097					
MF10CCN	405-152					
TLC14CP	405-176†					
UAF42AP	558-989					
LMF60CIN-50	405-206					
LMF90CCWM	SMD 955-668†					
LMF100CCN	405-243					
LTC1062CN8	405-255					
LTC1063CN8	459-800					
SM5841AP	639-990.					
MAX7480ESA	SMD 301-2633					
—	791-088					

† Available until stocks are exhausted

Variable Filter Evaluation Board



An assembled evaluation board for the ZXF36L01W24 Variable Q Filter.



SEM110A

ZXF36L01EVB Order Code 333-3887 each

	Pins	Description
36L01	24	Variable Q filter with mixer block, frequency range up to 200KHz, use of the mixer can extend the range up to 1MHz. Filter section requires two capacitors and two resistors to set centre frequency, Q can be varied up to 50, bandpass and notch filters may be easily implemented

Mfrs. List No.	Order Code	Price Each				
		1+	10+	100+	250+	500+
ZXF36L01W24	SMD 333-3875					

Fluorescent Drivers

SEM112

	Mfr.	Pins	Description
4876	ML	20	Cold Cathode Fluorescent Backlight Lamp Driver with Differential Drive
5810	ALEG	18	Vacuum Fluorescent Driver, 10-bit Serial to Parallel, latched with active CMOS pull-downs, 60V -25mA
6118	ALEG	18	Vacuum Fluorescent Driver, 8 NPN Darlington +5V Input, 85V -25mA
6810	ALEG	18	Vacuum Fluorescent Drive, 10-bit CMOS shift register, latched with active pnp pull downs, increased data input rate compared to UCN5810, 40mA - 60V
6812	ALEG	28	20-bit serial input latched source Vacuum Fluorescent Driver, 40mA - 60V

Mfrs. List No.	Order Code	Price Each			
		1+	10+	100+	250+
ML4876CS.	SMD 573-498.				
UCN5810AF	459-975				
UDN6118A.	405-589.				
A6810SA	300-5288				
A6812SA	300-5331				

Hall Effect Switches

SEM129

	Mfr.	Pins	Description
94	HON	3/SIL	Linear Output Hall Effect Transducer
3020	OPT	3/SIL	Hall Effect Switch. B_{OP} 230 Gauss typ. B_{RP} 180 Gauss typ.
3030	OPT	3/SIL	Hall Effect Switch. B_{OP} 205 Gauss typ. B_{RP} 160 Gauss typ.
3040	OPT	3/SIL	Hall Effect Switch. B_{OP} 150 Gauss typ. B_{RP} 115 Gauss typ.
3133	ALEG	3/SIL	Ultra-sensitive Bipolar Hall Effect Switch, B_{OP} 75 Gauss max. B_{RP} -20 Gauss typ.
3141	ALEG	3/SIL	Hall Effect Switch. B_{OP} 150 Gauss max. B_{RP} 120 Gauss max. (Improved UGN3140U)
3144	ALEG	3/SIL	Hall Effect Switch. B_{OP} 350 Gauss max. B_{RP} 330 Gauss max. (Improved UGN3120U)
3240	ALEG	3/SIL	Chopper-Stabilized, Precision Hall Effect Switch, B_{OP} 50 Gauss max. B_{RP} 25 Gauss typ. (IND TEMP)
3280	ALEG	3/SIL	Chopper-Stabilized, Precision Hall Effect Switch, B_{OP} 40 Gauss max. B_{RP} -5 Gauss max. (IND TEMP)
3421	ALEG	5/SIL	Direction-Detection Hall Effect Sensor, B_{OP} 280 Gauss max. B_{RP} 130 Gauss max. (IND TEMP)
3422	ALEG	5/SIL	Direction-Detection Hall Effect Sensor, B_{OP} 75 Gauss max. B_{RP} -18 Gauss typ. (IND TEMP)
3503	ALEG	3/SIL	Ratiometric, Linear Hall Effect Sensor. Accurately tracks extremely small changes in magnetic flux density – changes generally too small to operate Hall Effect Switches..
3507	ALEG	3/SIL	Ratiometric, Hall Effect Sensor. Ideal for linear and rotary position sensing. (-40°C to +85°C)
3516	ALEG	3/SIL	Ratiometric, Hall Effect Sensor. Ideal for linear and rotary position sensing, output sensitivity 2.5mV/G. (IND TEMP)
5140	ALEG	4/SIL	Hall Effect Switch. B_{OP} 200 Gauss max. B_{RP} 180 Gauss max. Protected Power Hall [®] Sensor

Mfrs. List No.	Order Code	Price Each		
		1+	10+	100+
SS94A2	405-620			
OHN3020U	405-632			
OHN3030U	405-644			
OHN3040U	405-656			
UGN3133UA	300-5082			
A3141EU	573-395			
A3144EU	573-401			
A3240EUA	300-5136			
A3280EUA	300-5161			
A3421EKA	300-5100			
A3422EKA	300-5112			
UGN3503U	405-681			
A3507EU	703-631†			
A3516EUA	300-5173			
UGQ5140K	573-383			

† Available until stocks are exhausted