

## WIDE DYNAMIC RANGE LOW NOISE AMPLIFIERS

Many applications require operation in an environment where very large spurious signals occur in the presence of low level signals of interest. In such cases a low noise figure is important in order to receive the desired signal, but a typical low noise amplifier usually has a low intercept point and can become compressed or even saturated in the presence of the large inteferer. This can desensitize the amplifier to the low level desired signal. ACC's wide dynamic range amplifiers can often eliminate this problem and find wide application in environments where there are multiple, close-by transmitters, such as on towers or aircraft receivers that may be swept by high power radar transmitters.



Part Number	Frequency Range (MHz)	Gain (dB)	Flatness ( $\pm$ dB)	1 dB Comp. (dBm) Min.	Noise Figure (dB) Max.	IP3 (+dBm) Typ.	Supply Voltage (VDC)	Current (mA) Typ.	Case Style
WD250BL	220-280	18	0.5	31.5	1.5	41	15	350	
WD250C	220-280	30	0.5	41	1.5	51	28	1500	
WD250M2-37	2-250	17	0.5	25	2	37	15	180	S003
WD250M18-45	30-250	30	0.5	33	1.8	45	15	900	P003
WD400M2-27	225-400	15	0.5	15	2	27	15	60	S003
WD400M18-40	225-400	17	0.5	28	1.8	40	15	400	S003
WD400M2-45	225-400	28	0.5	33	2	45	15	1000	S009
WD625M2-42	400-625	28	0.5	30	2	42	15	1000	S009
WD851M18-40	821-851	17	0.5	28	1.8	40	15	400	S003
WD960M2-40	820-960	14	0.5	28	2	40	15	400	S003
WD960M18-43	820-960	27	0.5	33	1.8	43	15	900	S009*

AMP-0603A

