

Military Microwave and Millimeter Wave Amplifiers

Features:

- SMA Connectors
- Low Noise Figure from 2.5 dB
- Medium Power Output Up to 0.25 Watt.
- High Gain 15-45 dB Min
- Low VSWR 2.5:1 Max



MD Model Number	Frequency Range (Ghz.)	Min. Gain (dB)	Typical Noise Fig (dB)	In-Out VSWR (50 Ω)	Output Power (dBm)	Supply Requirements * (VDC @ I _{max})	Case Style
AL0206-30-1M	2.0-6.0	15	3.0	2.5:1	+15	8 V @ 100 ma	M3
AL0206-30-2M	2.0-6.0	30	3.0	2.5:1	+15	8 V @ 200 ma	M4
AL0206-30-3M	2.0-6.0	43	3.0	2.5:1	+18	8 V @ 300 ma	M5
AL0408-30-1M	4.0-8.0	15	3.0	2.5:1	+15	8 V @ 100 ma	M3
AL0408-30-2M	4.0-8.0	30	3.0	2.5:1	+15	8 V @ 200 ma	M4
AL0408-30-3M	4.0-8.0	40	3.0	2.5:1	+18	8 V @ 300ma	M5
AL0612--25-1M	6.0-12.0	17	2.5	2.5:1	+7	8 V @ 75 ma	M3
AL0612-25-2M	6.0-12.0	30	2.5	2.5:1	+10	8 V @ 200 ma	M4
AL0612-25-3M	6.0-12.0	40	2.5	2.5:1	+17	8 V @ 300 ma	M5
AL0618-25-1M	6.0-18.0	17	2.5	2.5:1	+7	8 V @ 75 ma	M3
AL0618-25-2M	6.0-18.0	30	2.5	2.5:1	+10	8 V @ 150ma	M4
AL0618-25-3M	6.0-18.0	40	2.5	2.5:1	+17	8 V @ 250ma	M5
AG0220-1M	2.0-20.0	17	5.5	2.5:1	+10	8 V @ 100ma	M3
AG0220-2M	2.0-20.0	30	5.5	2.5:1	+14	8 V @ 200ma	M4
AG0220-3M	2.0-20.0	40	5.5	2.5:1	+17	8 V @ 350ma	M5
AP0206-17-2M	2.0-6.0	17	7.0	2.5:1	+17	8 V @ 200ma	M4
AP0206-17-3M	2.0-6.0	30	7.0	2.5:1	+17	8 V @ 300ma	M5
AP0408-17-2M	4.0-8.0	43	7.0	2.5:1	+17	8 V @ 200ma	M4
AP0408-17-3M	4.0-8.0	15	7.0	2.5:1	+17	8 V @ 300ma	M5
AP0612-17-2M	6.0-12.0	23	7.0	2.5:1	+17	8 V @ 200ma	M4
AP0612-17-3M	6.0-12.0	23	7.0	2.5:1	+17	8 V @ 300ma	M5



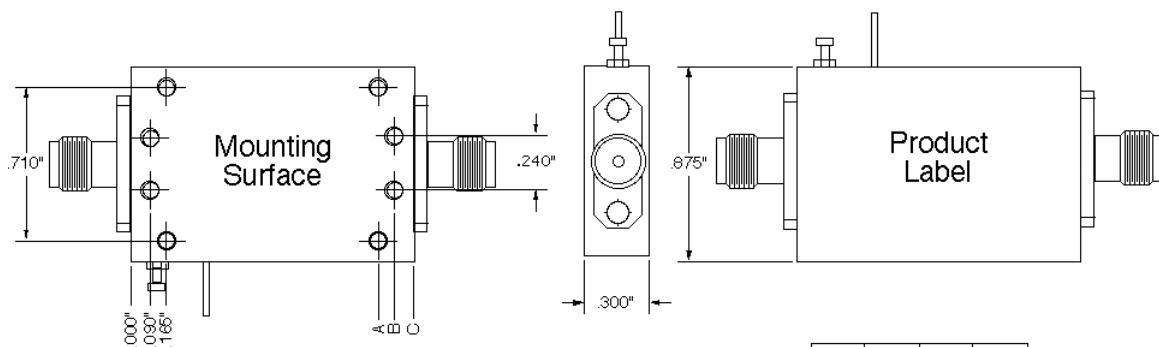
**MICROWAVE DYNAMICS dba QUANTIC MWD, 16541 Scientific Way,
Irvine, CA 92618 PHONE: 949-679-7788 FAX: 949-679-7748**

Web Page: <http://www.quanticismwd.com> Email : sales@quanticismwd.com

MD Model Number	Frequency Range (Ghz.)	Min. Gain (dB)	Typical Noise Fig (dB)	In-Out VSWR (50 Ω)	Output Power (dBm)	Supply Requirements * (VDC @ I _{max})	Case Style
AP0618-17-2M	6.0-18.0	27	7.0	2.5:1	+17	8 V @250 ma	M4
AP0618-17-3M	6.0-18.0	40	7.0	2.5:1	+17	8 V @350 ma	M5
AP0220-17-2M	2.0-20.0	27	7.0	2.5:1	+17	8 V @250 ma	M4
AP0220-17-3M	2.0-20.0	40	7.0	2.5:1	+17	8 V @350 ma	M5
AP0206-20-3M	2.0-6.0	37	7.0	2.5:1	+20	10 V @450 ma	M5
AP0408-20-3M	4.0-8.0	37	7.0	2.5:1	+20	10 V @450 ma	M5
AP0612-20-2M	6.0-12.0	27	7.0	2.5:1	+20	10 V @400 ma	M4
AP0612-20-3M	6.0-12.0	37	7.0	2.5:1	+20	10 V @450 ma	M5
AP0618-20-2M	6.0-18.0	27	7.0	2.5:1	+20	10 V @400 ma	M4
AP0618-20-3M	6.0-18.0	37	7.0	2.5:1	+20	10 V @450 ma	M5
AP0218-23-3M	2.0-18.0	30	7.0	2.5:1	+23	10 V @550 ma	M5P **
AP0618-23-3M	6.0-18.0	30	7.0	2.5:1	+23	10 V @550 ma	M5P **
AP0218-27-3M	2.0-18.0	30	7.0	2.5:1	+27	10 V @800 ma	M5P **
AP0618-27-3M	6.0-18.0	30	7.0	2.5:1	+27	10 V @ 800 ma	M5P **
AP0218-29-3M	2.0-18.0	30	7.0	2.5:1	+29	10 V @1250 ma	M5P **
AP0618-30-3M	6.0-18.0	30	7.0	2.5:1	+30	10 V @1250 ma	M5P **

* Some models may also require a negative supply voltage.

** Contact Factory for M5P case outline dimensions.



Case	A	B	C
M3	0.745"	0.82"	0.91"
M4	0.945"	1.02"	1.11"
M5	1.145"	1.22"	1.31"
M6	1.345"	1.42"	1.51"

M Case Style



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