

AM Tuning

... designed for electronic tuning of AM radios, receivers, and general AM frequency control.

Device Type	C _t V _r = 1 V, f = 1 MHz pF		Cap. Ratio 1-25 V min.	Q @ 1 V f = 1 MHz min.	Package	Comments
	Min.	Max.				
MVAM2	280	380	15	150	29-02	Dual, matched Ct's Single, matching avail. Single, matching avail.
MVAM115	440	560	15 ¹	150	182	
MVAM125	440	560	15	150	182	

¹C₁ - 15 V

Hot-Carrier

Hot-Carrier diodes are ideal for VHF and UHF mixer and detector applications as well as many higher microwave frequency applications. They provide stable electrical characteristics by eliminating the point-contact diode presently used in many applications. Motorola has the capability of supplying these devices in a variety of packages.

Device Type	B _{vr} @ I _r = 10 μA V. Min.	C _t ¹ V _r = 0 V f = 1 MHz ² V _r = 15 V f = 1 MHz ³ V _r = 20 V f = 1 MHz pF Max.	V _f @ I _f = 10 mA V. Max.	I _r ⁴ V _r = 3 V ⁵ V _r = 15 V ⁶ V _r = 25 V ⁷ V _r = 35 V nA Max.	Package Case
MBD101	4	1.0 ¹	0.6	250 ⁴	182.02 TO-92
MBD102	4	1.0 ¹	0.6	250 ⁴	226 MINI-L
MBD201	20	1.5 ²	0.6	200 ⁵	182.03 TO-92
MBD301	30	1.5 ²	0.6	200 ⁵	182.03 TO-92
MBD501	50	1.0 ³	1.2	200 ⁶	182.02 TO-92
MBD502	50	1.0 ³	1.2	200 ⁶	226 MINI-L
MBD701	70	1.0 ³	1.2	200 ⁷	182.02 TO-92
MBD702	70	1.0 ³	1.2	200 ⁷	226 MINI-L

Pin Switching

... designed for VHF band switching and general purpose switching.

Device Type	B _{vr} @ I _r = 10 μA Volts Min.	C _t V _r = 20 V, f = 1 MHz pF Max.	R _s I _f = 10 mA Ohms	L _s f = 250 MHz nH Typ	Package Case
MPN3401	35	1.0	0.7	3.0	226 MINI-L
MPN3402	35	2.0	0.6	3.0	226 MINI-L
MPN3403	20	2.0	0.7	3.0	226 MINI-L
MPN3404	20	2.0	0.85	6.0	182-03 TO-92
MPN3411	25	0.45 ¹	10	3.0	226 MINI-L
MPN3412	25	0.45 ¹	15	3.0	226 MINI-L

¹ C_t @ V_r = 20 V, f = 100 MHz.

Cases



CASE 226



CASE 182



CASE 29-02
TO-92