

# RF NPN Power Transistors



Part Number	Microsemi Division	Package Outline	Data Sheet ID	Application	f <sub>T</sub> min (MHz)	f <sub>T</sub> max (MHz)	P(out) (W)	P(in) (W)	HFE max	V <sub>cc</sub> (V)	R <sub>θJA</sub> (C/W)
AM0608-020	RF Products	S064	18773	UHF	600	750	20	2.5	9	35	1.5
AM0608-070	RF Products	S064	18774	UHF	600	750	70	13	7.3	50	0.6
AM80610-018	RF Products	S042	18793	UHF	620	960	18	2.5	8.6	28	4
AM0710-300	RF Products	S036	18775	UHF	750	950	300	40	8.8	50	0.22
SD1495	RF Products	M142	19235	UHF	850		32	6.5	6.9	10	
SD1496	RF Products	M142	19238	UHF	860	900	60	10.6	7.5	24	0.09
SD1400-02	RF Products	M118	19181	UHF	900		14	1.5	9.7	24	3
SD1420-01	RF Products	M123	19192	UHF	960		0.9	0.1	9.5	24	20
SD1400-03	RF Products	M118	19182	UHF	960		14	1.6	9.5	24	3.5
SD1495-03	RF Products	M142	19237	UHF	960		30	6	7	24	1.5
SD1496-03	RF Products	M142	19239	UHF	960		55	10	7.4	24	0.09
SD1550	RF Products	M105	19306	UHF	960	1215	15	1.5	10	40	3.3
SD1512	RF Products	M124	19248	UHF	960	1220	5	0.1	7	30	9.3
MSC81069	RF Products	S027	19012	UHF	1000		3			24	
SD1853-01	RF Products	M151	19341	UHF	1000		1	0.2	7	28	
SD1171	RF Products	M127	19136	UHF	1000		5	1.57	5	28	
SD1520-08	RF Products	SEE FACTORY	19257	Pulsed Avionics	1025	1150	0.2	0.025	9	28	
SD1520-01	RF Products	SEE FACTORY	19252	Pulsed Avionics	1025	1150	60	0.1	10	28	
SD1524-01	RF Products	M115	19267	Pulsed Avionics	1025	1150	2.7	0.3	9.5	28	
SD1526-01	RF Products	M115	19268	Pulsed Avionics	1025	1150	5	0.55	9.5	28	8
SD1526-08	RF Products	M105	19271	Pulsed Avionics	1025	1150	5	0.55	9.5	28	8
MSC1015M	RF Products	S016	18813	Pulsed Avionics	1025	1150	15	1.5	10	50	
MSC1015MP	RF Products	S051	18814	Pulsed Avionics	1025	1150	15	1.5	10	50	
MSC1075M	RF Products	S068	18816	Pulsed Avionics	1025	1150	75	13	7.6	50	
MSC1075MP	RF Products	S051	18817	Pulsed Avionics	1025	1150	75	13	7.6	50	
MSC1090M	RF Products	S068	18818	Pulsed Avionics	1025	1150	90	13	8.8	50	
SD1536-01	RF Products	M105	19288	Pulsed Avionics	1025	1150	90	13	8.4	50	
SD1536-08	RF Products	M105	19291	Pulsed Avionics	1025	1150	90	13	8.4	50	0.6
MSC1175M	RF Products	S068	18822	Pulsed Avionics	1025	1150	175	30	7.7	50	
MSC1250M	RF Products	S042	18823	Pulsed Avionics	1025	1150	250	60	6.2	50	
SD1527-08	RF Products	M105	19278	Pulsed Avionics	1090		5	0.35	11.5	50	8
MSC1100	RF Products	S010	18819	Pulsed Avionics	1090		25	10	9.8	40	
MSC1150	RF Products	S030	18820	Pulsed Avionics	1090		150	20	8.75	43	
MSC1300M	RF Products	S042	18824	Pulsed Avionics	1090		300	70	6.3	50	
MSC1350M	RF Products	S042	18825	Pulsed Avionics	1090		350	70	7	50	
MSC1450	RF Products	S038	18827	Pulsed Avionics	1090		450	90	7	50	
MSC1600M	RF Products	S038	18829	Pulsed Avionics	1090		600	150	6	50	
SD1522-03	RF Products	M115	19266	Pulsed Avionics	1090	1150	1.5	0.2	8.75	35	
MSC1150M	RF Products	S042	18821	Pulsed Avionics	1090	1150	150	25	7.8	50	
MSC1400M	RF Products	S038	18826	Pulsed Avionics	1090	1150	400	90	6.5	50	
MSC1550M	RF Products	S038	18828	Pulsed Avionics	1090	1150	550	150	5.6	50	
MSC81406	RF Products	S010	19013	L-Band	1400		6	0.65	9.7	28	10
AM1416-200	RF Products	S042	18777	L-Band	1400	1550	180	40	6.5	50	0.2
AM1416-003	RF Products	S042	18776	L-Band	1400	1600	3.2	0.5	8.1	24	15
AM81416-012	RF Products	S036	18795	L-Band	1400	1800	11.2	2	7.5	20	5.5
SD1866	RF Products	M147	19347	L-Band	1400	1700	25	4.5	7.4	24	

Section Organization: RF Power Transistors Parametric Section is organized by ascending Applications, followed by ascending f<sub>T</sub> (MHz)

**General Notes:**

1. All RF Transistors are manufactured by Microsemi RF Products in Montgomeryville, PA
2. Datasheets can be obtained from Microsemi's Website or Fax on Demand System by specifying the Data Sheet ID

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