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**JANS APPROVED  
BIPOLAR  
TRANSISTORS**



# JANS QUALIFIED

Microsemi is a world leader in military and commercial aerospace semiconductors and modules. Our military/aerospace history spans nearly a half century, to the earliest days of the company, serving virtually every major manufacturer in the industry.

## NPN Small Signal Transistors

Part #	Slash Sheet	Type	Voltage	hFE @ Ic	Rated Ic	Package
JANS2N930	/253	NPN SS	45V	100-300, 0.01mA	0.03A	TO-18
JANS2N930UB	/253	NPN SS	45V	100-300, 0.01mA	0.03A	UB(LCC3)
JANS2N2218	/251	NPN SS	30V	40-120, 150mA	0.8A	TO-39
JANS2N2218A	/251	NPN SS	50V	40-120, 150mA	0.8A	TO-39
JANS2N2218AL	/251	NPN SS	50V	40-120, 150mA	0.8A	TO-5
JANS2N2219	/251	NPN SS	30V	100-300, 150mA	0.8A	TO-39
JANS2N2219A	/251	NPN SS	50V	100-300, 150mA	0.8A	TO-39
JANS2N2219AL	/251	NPN SS	50V	100-300, 150mA	0.8A	TO-5
JANS2N2221A	/255	NPN SS	50V	40-120, 150mA	0.8A	TO-18
JANS2N2221AL	/255	NPN SS	50V	40-120, 150mA	0.8A	TO-18
JANS2N2221AUA	/255	NPN SS	50V	40-120, 150mA	0.8A	UA(LCC4)
JANS2N2221AUB	/255	NPN SS	50V	40-120, 150mA	0.8A	UB(LCC3)
JANS2N2221AUBC	/255	NPN SS	50V	40-120, 150mA	0.8A	UB(LCC3)
JANS2N2222A	/255	NPN SS	50V	100-300, 150mA	0.8A	TO-18
JANS2N2222AL	/255	NPN SS	50V	100-300, 150mA	0.8A	TO-18
JANS2N2222AUA	/255	NPN SS	50V	100-300, 150mA	0.8A	UA(LCC4)
JANS2N2222AUB	/255	NPN SS	50V	100-300, 150mA	0.8A	UB(LCC3)
JANS2N2222AUBC	/255	NPN SS	50V	100-300, 150mA	0.8A	UB(LCC3)
JANS2N2369A	/317	NPN SS	15V	30-120, 0.4mA	0.1A	TO-18
JANS2N2369AU	/317	NPN SS	15V	30-120, 0.4mA	0.1A	U(LCC6)
JANS2N2369AUA	/317	NPN SS	15V	30-120, 0.4mA	0.1A	UA(LCC4)
JANS2N2369AUB	/317	NPN SS	15V	30-120, 0.4mA	0.1A	UB(LCC3)
JANS2N2369AUBC	/317	NPN SS	15V	30-120, 0.4mA	0.1A	UB(LCC3)
JANS2N2484	/376	NPN SS	60V	225-800, 10mA	0.05A	TO-18
JANS2N2484UA	/376	NPN SS	60V	225-800, 10mA	0.05A	UA(LCC4)
JANS2N2484UB	/376	NPN SS	60V	225-800, 10mA	0.05A	UB(LCC3)
JANS2N2484UBC	/376	NPN SS	60V	225-800, 10mA	0.05A	UB(LCC3)
JANS2N3019	/391	NPN SS	80V	100-300, 150mA	1.0A	TO-5
JANS2N3019S	/391	NPN SS	80V	100-300, 150mA	1.0A	TO-39
JANS2N3057A	/391	NPN SS	80V	100-300, 150mA	1.0A	TO-46
JANS2N3439	/368	NPN SS	350V	40-160, 20mA	1.0A	TO-39
JANS2N3439L	/368	NPN SS	350V	40-160, 20mA	1.0A	TO-5
JANS2N3439UA	/368	NPN SS	350V	40-160, 20mA	1.0A	UA(LCC4)
JANS2N3440	/368	NPN SS	250V	40-160, 20mA	1.0A	TO-39
JANS2N3440L	/368	NPN SS	250V	40-160, 20mA	1.0A	TO-5
JANS2N3440UA	/368	NPN SS	250V	40-160, 20mA	1.0A	UA(LCC4)
JANS2N3498	/366	NPN SS	100V	40-120, 150mA	0.5A	TO-39
JANS2N3498L	/366	NPN SS	100V	40-120, 150mA	0.5A	TO-5
JANS2N3499	/366	NPN SS	100V	100-300, 150mA	0.5A	TO-39
JANS2N3499L	/366	NPN SS	100V	100-300, 150mA	0.5A	TO-5
JANS2N3500	/366	NPN SS	150V	40-120, 150mA	0.5A	TO-39
JANS2N3500L	/366	NPN SS	150V	40-120, 150mA	0.5A	TO-5
JANS2N3501	/366	NPN SS	150V	100-300, 150mA	0.5A	TO-39
JANS2N3501L	/366	NPN SS	150V	100-300, 150mA	0.5A	TO-5
JANS2N3501UB	/366	NPN SS	150V	100-300, 150mA	0.5A	UB(LCC3)
JANS2N3700	/391	NPN SS	80V	100-300, 150mA	1.0A	TO-18
JANS2N3700UB	/391	NPN SS	80V	100-300, 150mA	1.0A	UB(LCC3)
JANS2N4449	/317	NPN SS	15V	30-120, 30mA	0.1A	TO-18

## PNP Small Signal Transistors

Part #	Slash Sheet	Type	Voltage	hFE @ Ic	Rated Ic	Package
JANS2N2904	/290	PNP SS	40V	40-120, 150mA	0.6A	TO-39
JANS2N2904A	/290	PNP SS	60V	40-120, 150mA	0.6A	TO-39
JANS2N2904AL	/290	PNP SS	60V	40-120, 150mA	0.6A	TO-5
JANS2N2905	/290	PNP SS	40V	100-300, 150mA	0.6A	TO-39
JANS2N2905A	/290	PNP SS	60V	100-300, 150mA	0.6A	TO-39
JANS2N2905AL	/290	PNP SS	60V	100-300, 150mA	0.6A	TO-5
JANS2N2906A	/291	PNP SS	60V	40-120, 150mA	0.6A	TO-18
JANS2N2906AL	/291	PNP SS	60V	40-120, 150mA	0.6A	TO-18
JANS2N2906AUA	/291	PNP SS	60V	40-120, 150mA	0.6A	UA(LCC4)
JANS2N2906AUB	/291	PNP SS	60V	40-120, 150mA	0.6A	UB(LCC3)
JANS2N2906AUBC	/291	PNP SS	60V	40-120, 150mA	0.6A	UB(LCC3)
JANS2N2907A	/291	PNP SS	60V	100-300, 150mA	0.6A	TO-18
JANS2N2907AL	/291	PNP SS	60V	100-300, 150mA	0.6A	TO-18
JANS2N2907AUA	/291	PNP SS	60V	100-300, 150mA	0.6A	UA(LCC4)
JANS2N2907AUB	/291	PNP SS	60V	100-300, 150mA	0.6A	UB(LCC3)
JANS2N2907AUBC	/291	PNP SS	60V	100-300, 150mA	0.6A	UB(LCC3)
JANS2N3634	/357	PNP SS	140V	50-150, 50mA	0.5A	TO-39
JANS2N3634L	/357	PNP SS	140V	50-150, 50mA	0.5A	TO-5
JANS2N3634UB	/357	PNP SS	140V	50-150, 50mA	0.5A	UB(LCC3)
JANS2N3635	/357	PNP SS	140V	100-300, 50mA	0.5A	TO-39
JANS2N3635L	/357	PNP SS	140V	100-300, 50mA	0.5A	TO-5
JANS2N3635UB	/357	PNP SS	140V	100-300, 50mA	0.5A	UB(LCC3)
JANS2N3636	/357	PNP SS	175V	50-150, 50mA	0.5A	TO-39
JANS2N3636L	/357	PNP SS	175V	50-150, 50mA	0.5A	TO-5
JANS2N3636UB	/357	PNP SS	175V	50-150, 50mA	0.5A	UB(LCC3)
JANS2N3637	/357	PNP SS	175V	100-300, 50mA	0.5A	TO-39
JANS2N3637L	/357	PNP SS	175V	100-300, 50mA	0.5A	TO-5
JANS2N3637UB	/357	PNP SS	175V	100-300, 50mA	0.5A	UB(LCC3)
JANS2N4029	/512	PNP SS	80V	100-300, 100mA	1.0A	TO-18
JANS2N4033	/512	PNP SS	80V	100-300, 100mA	1.0A	TO-39
JANS2N4033UA	/512	PNP SS	80V	100-300, 100mA	1.0A	UA(LCC4)
JANS2N4033UB	/512	PNP SS	80V	100-300, 100mA	1.0A	UB(LCC3)

## Multiple Transistors in One Package

JANS2N2919	/355	NPN DUAL	60V	150-600, 1mA	0.03A	TO-78
JANS2N2919L	/355	NPN DUAL	60V	150-600, 1mA	0.03A	TO-78
JANS2N2919U	/355	NPN DUAL	60V	150-600, 1mA	0.03A	U(LCC6)
JANS2N2920	/355	NPN DUAL	60V	300-1000, 1mA	0.03A	TO-78
JANS2N2920L	/355	NPN DUAL	60V	300-1000, 1mA	0.03A	TO-78
JANS2N2920U	/355	NPN DUAL	60V	300-1000, 1mA	0.03A	U(LCC6)
JANS2N3810	/336	PNP DUAL	60V	150-450, 1mA	0.05A	TO-78
JANS2N3810L	/336	PNP DUAL	60V	150-450, 1mA	0.05A	TO-78
JANS2N3810U	/336	PNP DUAL	60V	150-450, 1mA	0.05A	U(LCC6)
JANS2N3811	/336	PNP DUAL	60V	300-900, 1mA	0.05A	TO-78
JANS2N3811L	/336	PNP DUAL	60V	300-900, 1mA	0.05A	TO-78
JANS2N3811U	/336	PNP DUAL	60V	300-900, 1mA	0.05A	U(LCC6)
JANS2N6987	/558	PNP QUAD	60V	100-300, 150mA	0.6A	DIP14U
JANS2N6987U	/558	PNP QUAD	60V	100-300, 150mA	0.6A	LCC20C
JANS2N6988	/558	PNP QUAD	60V	100-300, 150mA	0.6A	FP14U
JANS2N6989	/559	NPN QUAD	50V	100-300, 150mA	0.8A	DIP14U
JANS2N6989U	/559	NPN QUAD	50V	100-300, 150mA	0.8A	LCC20U
JANS2N6990	/559	NPN QUAD	50V	100-300, 150mA	0.8A	FP14U

## NPN Power Transistors

Part #	Slash Sheet	Type	Voltage	hFE @ Ic	Rated Ic	Package
JANS2N4150	/394	NPN PWR	70V	40-120, 5A	10.0A	TO-5
JANS2N4150S	/394	NPN PWR	70V	40-120, 5A	10.0A	TO-39
JANS2N5002	/534	NPN PWR	80V	30-90, 2.5A	10A	TO-59/I
JANS2N5004	/534	NPN PWR	80V	70-200, 2.5A	10A	TO-59/I
JANS2N5152	/544	NPN PWR	80V	30-90, 2.5A	10A	TO-39
JANS2N5152L	/544	NPN PWR	80V	30-90, 2.5A	10A	TO-5
JANS2N5152U3	/544	NPN PWR	80V	30-90, 2.5A	10A	SMD.5
JANS2N5154	/544	NPN PWR	80V	70-200, 2.5A	10A	TO-39
JANS2N5154L	/544	NPN PWR	80V	70-200, 2.5A	10A	TO-5
JANS2N5154U3	/544	NPN PWR	80V	70-200, 2.5A	10A	SMD.5
JANS2N5237	/394	NPN PWR	120V	40-120, 5A	10A	TO-5
JANS2N5237S	/394	NPN PWR	120V	40-120, 5A	10A	TO-39
JANS2N5238	/394	NPN PWR	170V	40-120, 5A	10A	TO-5
JANS2N5238S	/394	NPN PWR	170V	40-120, 5A	10A	TO-39
JANS2N5339	/560	NPN PWR	100V	60-240, 2A	5A	TO-39
JANS2N5339U3	/560	NPN PWR	100V	60-240, 2A	5A	SMD.5
JANS2N5664	/455	NPN PWR	200V	40-120, 1A	5A	TO-66
JANS2N5665	/455	NPN PWR	300V	25-75, 1A	5A	TO-66
JANS2N5666	/455	NPN PWR	200V	40-120, 1A	5A	TO-5
JANS2N5666S	/455	NPN PWR	200V	40-120, 1A	5A	TO-39
JANS2N5666U3	/455	NPN PWR	200V	40-120, 1A	5A	SMD.5
JANS2N5667	/455	NPN PWR	300V	25-75, 1A	5A	TO-5
JANS2N5667S	/455	NPN PWR	300V	25-75, 1A	5A	TO-39
JANS2N6249	/510	NPN PWR	200V	10-50, 10A	10A	TO-3
JANS2N6249T1	/510	NPN PWR	200V	10-50, 10A	10A	TO-254AA
JANS2N6250	/510	NPN PWR	275V	8-50, 10A	10A	TO-3
JANS2N6250T1	/510	NPN PWR	275V	8-50, 10A	10A	TO-254AA
JANS2N6251	/510	NPN PWR	350V	6-50, 10A	10A	TO-3
JANS2N6676	/538	NPN PWR	300V	8-20, 15A	15A	TO-3
JANS2N6676T1	/538	NPN PWR	300V	8-20, 15A	15A	TO-254AA
JANS2N6678	/538	NPN PWR	400V	8-20, 15A	15A	TO-3
JANS2N6678T1	/538	NPN PWR	400V	8-20, 15A	15A	TO-254AA
JANS2N7373	/613	NPN PWR	80V	70-200, 2.5A	5A	TO-254AA

## PNP Power Transistors

JANS2N3740	/441	PNP PWR	60V	30-120, 250mA	4.0A	TO-66
JANS2N3741	/441	PNP PWR	80V	30-120, 250mA	4.0A	TO-66
JANS2N3867	/350	PNP PWR	40V	40-200, 1.5A	3.0A	TO-5
JANS2N3867S	/350	PNP PWR	40V	40-200, 1.5A	3.0A	TO-39
JANS2N3868	/350	PNP PWR	60V	30-150, 1.5A	3.0A	TO-5
JANS2N3868S	/350	PNP PWR	60V	30-150, 1.5A	3.0A	TO-39
JANS2N5151	/545	PNP PWR	80V	30-90, 2.5A	10A	TO-39
JANS2N5151L	/545	PNP PWR	80V	30-90, 2.5A	10A	TO-5
JANS2N5151U3	/545	PNP PWR	80V	30-90, 2.5A	10A	SMD.5
JANS2N5153	/545	PNP PWR	80V	70-200, 2.5A	10A	TO-39
JANS2N5153L	/545	PNP PWR	80V	70-200, 2.5A	10A	TO-5
JANS2N5153U3	/545	PNP PWR	80V	70-200, 2.5A	10A	SMD.5
JANS2N5415	/485	PNP PWR	200V	30-120, 50mA	1A	TO-5
JANS2N5415S	/485	PNP PWR	200V	30-120, 50mA	1A	TO-39
JANS2N5415UA	/485	PNP PWR	200V	30-120, 50mA	1A	UA(LCC4)
JANS2N5416	/485	PNP PWR	300V	30-120, 50mA	1A	TO-5
JANS2N5416S	/485	PNP PWR	300V	30-120, 50mA	1A	TO-39
JANS2N5416UA	/485	PNP PWR	300V	30-120, 50mA	1A	UA(LCC4)
JANS2N6193	/561	PNP PWR	100V	60-240, 2.0A	5A	TO-39
JANS2N6193U3	/561	PNP PWR	100V	60-240, 2.0A	5A	SMD.5
JANS2N7372	/612	PNP PWR	80V	70-200, 2.5A	5A	TO-254AA

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