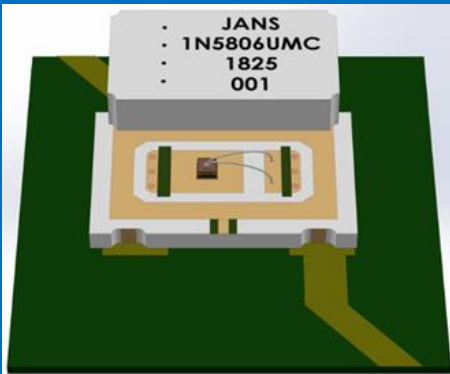
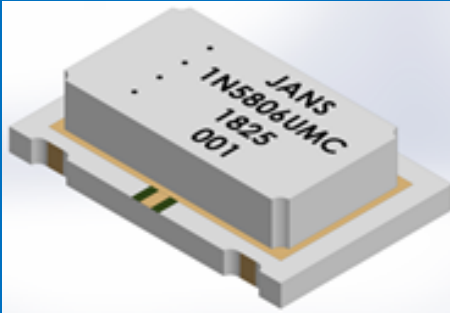


Semicoa RadHard Transistors



Semicoa is now Qualified on the MIL-PRF-19500 for their JANS Diodes in a new improved Package

Semicoa has produced JAN / JANTX / JANTXV / JANS Bipolar Transistors continuously for 50 years and is now introducing JANS Diodes in a new Package, which eliminates many of the existing issues with the Glass Melf Packages.

All products are classified as EAR99 for export!

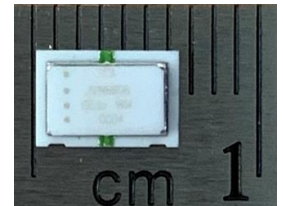
Problems with traditional Glass Diodes:

- Cracked Glass
- Removing manually Serial Tags
- Lack of hermeticity
- Difficult to use for automatic pick and place
- No serials # on the actual parts



Semicoa's solution is the new designed UMC Package:

- Pick and place no problem
- No CTE mismatch
- Serial number visible on the part
- Cathode marking clearly visible
- Castellations for solder flow inspection
- No floating metal due to ceramic Lid
- Lower thermal Resistance



If you need Samples for solder Qualification, please let us know.

Number	Packages	Quality Levels	I _o (A)	I _F (A)	V _F (V)	I _R (uA)	V _R (V)	V _{BR} (V)	T _{rr} (ns)	I _{FSM} (A)
1N5802	DIE	HC, KC	1.0	2.5	0.975	1.0	50	60	25	35
	UMC	JAN, JANTX JANTXV JANS	1.0	2.5	0.975	1.0	50	60	25	35
1N5804	DIE	HC, KC	1.0	2.5	0.975	1.0	100	110	25	35
	UMC	JAN, JANTX JANTXV JANS	1.0	2.5	0.975	1.0	100	110	25	35
1N5806	DIE	HC, KC	1.0	2.5	0.975	1.0	150	160	25	35
	UMC	JAN, JANTX JANTXV JANS	1.0	2.5	0.975	1.0	150	160	25	35
1N6638	DIE	HC, KC	0.3	0.2	1.1	0.5	125	150	4.5	2.5
	UB	JAN, JANTX JANTXV JANS	0.3	0.2	1.1	0.5	125	150	4.5	2.5
	UMC	JAN, JANTX JANTXV JANS	0.3	0.2	1.1	0.5	125	150	4.5	2.5
1N6642	DIE	HC, KC	0.3	0.1	1.2	0.5	75	100	5.0	2.5
	UB	JAN, JANTX JANTXV JANS	0.3	0.1	1.2	0.5	75	100	5.0	2.5
	UMC	JAN, JANTX JANTXV JANS	0.3	0.1	1.2	0.5	75	100	5.0	2.5
1N6643	DIE	HC, KC	0.3	0.1	1.2	0.5	50	75	6.0	2.5
	UB	JAN, JANTX JANTXV JANS	0.3	0.1	1.2	0.5	50	75	6.0	2.5
	UMC	JAN, JANTX JANTXV JANS	0.3	0.1	1.2	0.5	50	75	6.0	2.5
1N5614	DIE	HC, KC	1.0	3.0	1.3	0.5	200	220	2000	30
	UMC	JAN, JANTX JANTXV JANS	1.0	3.0	1.3	0.5	200	220	2000	30
1N5615	DIE	HC, KC	1.0	3.0	1.6	0.5	200	220	2000	25
	UMC	JAN, JANTX JANTXV JANS	1.0	3.0	1.6	0.5	200	220	2000	25