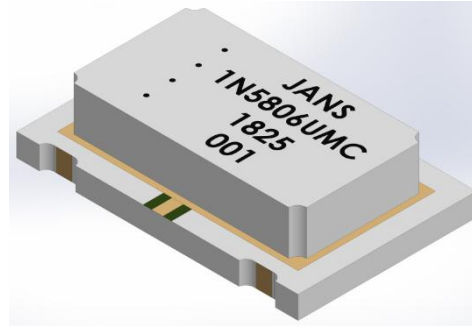


INTRODUCING SEMICOA'S HERMETIC POWER DIODE ----- UMC PACKAGE

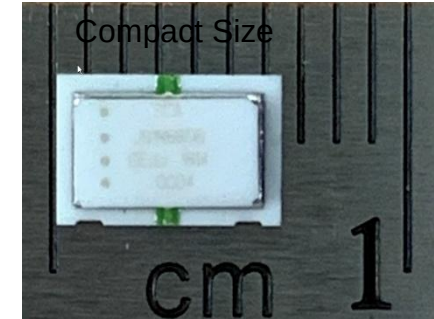
TRACEABILITY:

Cathode Marking
Part Number
Date Code
Serial Number



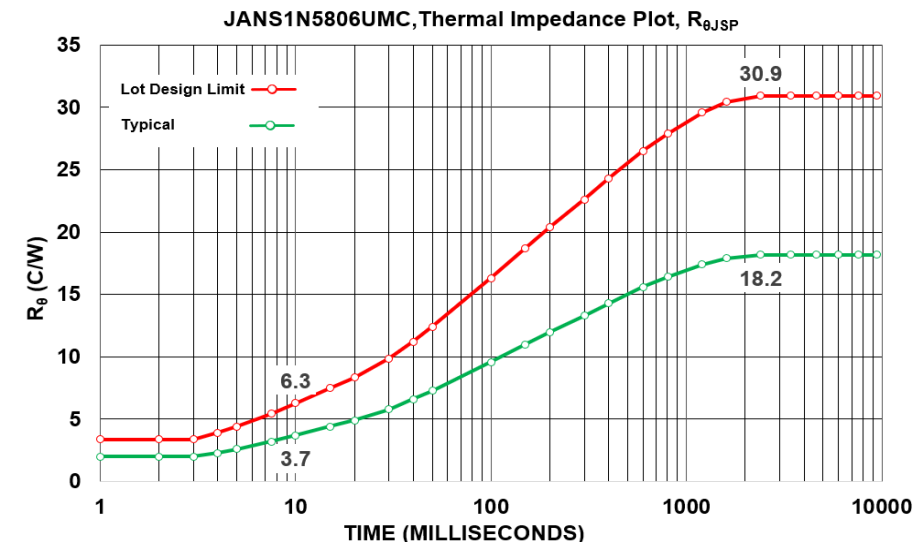
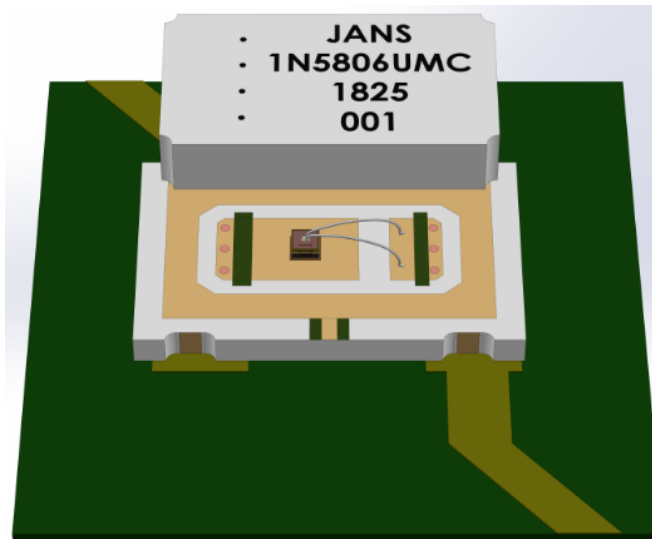
ASSEMBLY:

Compact size
Pick and Place friendly
Drop-in replacement
Ruggedized package



POWER HANDLING:

No CTE mismatch
Low Thermal Resistance
High Heat Dissipation
High Current Capacity
High Electrical isolation
Ceramic Substrate
Ceramic Lid
Gold pads (solderable)



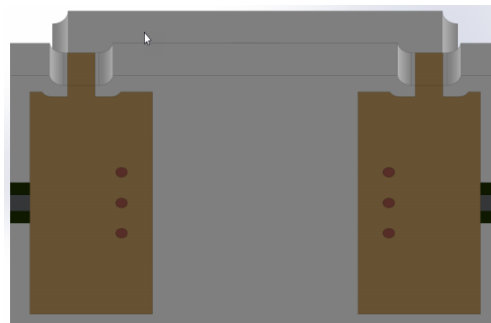
Semicoa

333 McCormick Avenue
Costa Mesa, CA 92626

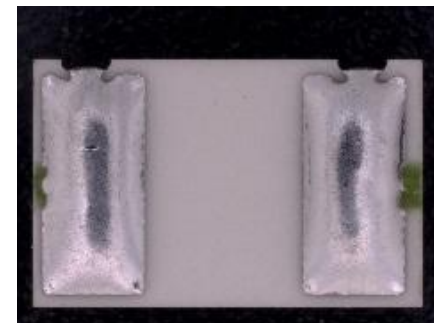
Partner Microrel/Protec

Contact Danilo Lauta
danilo.lauta@microrel.com

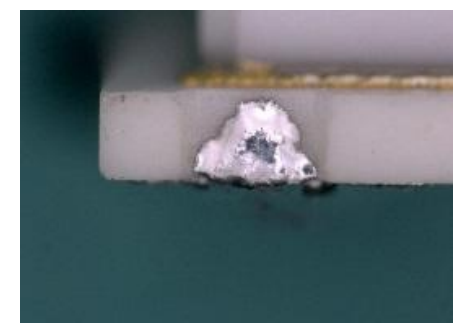
Gold Pads



Solder Pads



Castellation



INITIAL INTRODUCTION OF SEMICOA'S HERMETIC POWER DIODE PRODUCT LINE

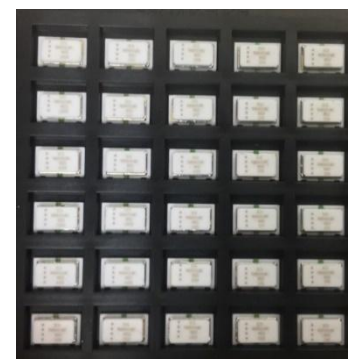
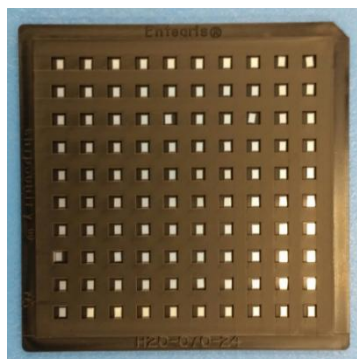
AVAILABLE Q1'19



Part Number	Packages	Quality Levels	Io (A)	IF (A)	VF (V)	IR (uA)	VR (V)	VBR (V)	Trr (ns)	IFSM (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

Die in waffle pack

Packages in waffle pack



**200 DEVICE TYPES
AVAILABLE IN 2019**

SHIPPING OPTIONS:

HC & KC Die available in waffle pack
Tape and Reel option
Non-solder dip option
EAR 99 Classification for export