

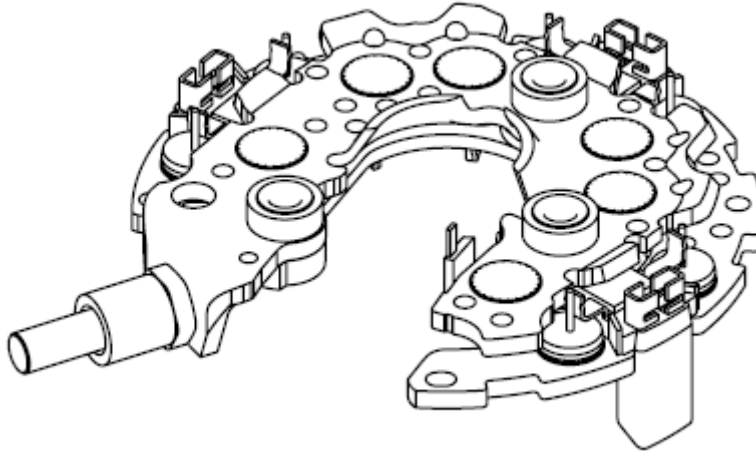
PRODUCT DATA SHEET
INR421

Figure 1

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0	N/A	Initial Release (ECD 11/30/2004)	12/03/2001	NTR
A	N/A	Updated Figure 2. (Cham 11/23/2020)	11/23/2020	BR

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	ECD	DEW	MF	HJ	GEM
DATE	12/03/2004	12/03/2004	12/03/2004	12/03/2004	12/03/2004

2.0 MAXIMUM POWER RATINGS

ITEM	CHARACTERISTICS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
2.1	Peak Repetitive Reverse Voltage	V_{RWM}	---	---	200	V
2.2	D.C. Blocking Voltage	V_R	---	---	200	V
2.3	Diode, Average Rectified Forward Current	I_O	---	---	40	A

3.0 DIODE THERMAL CHARACTERISTICS

ITEM	CHARACTERISTICS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
3.1	Operating and Storage Junction Temperature Range	T_{STG} T_J	-40	---	200	°C

4.0 ELECTRICAL CHARACTERISTICS

ITEM	CHARACTERISTICS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
4.1	Instantaneous Forward Voltage @ $I_F = 100A, T_C = 25^\circ C$	V_F	---	---	1.2	V
4.2	Reverse Current @ $200V_{REV}$ $T_C = 25^\circ C$	I_R	---	1	25	μA
4.3	Reverse Current @ $200V_{REV}$ $T_C = 100^\circ C$	I_R	---	---	200	μA

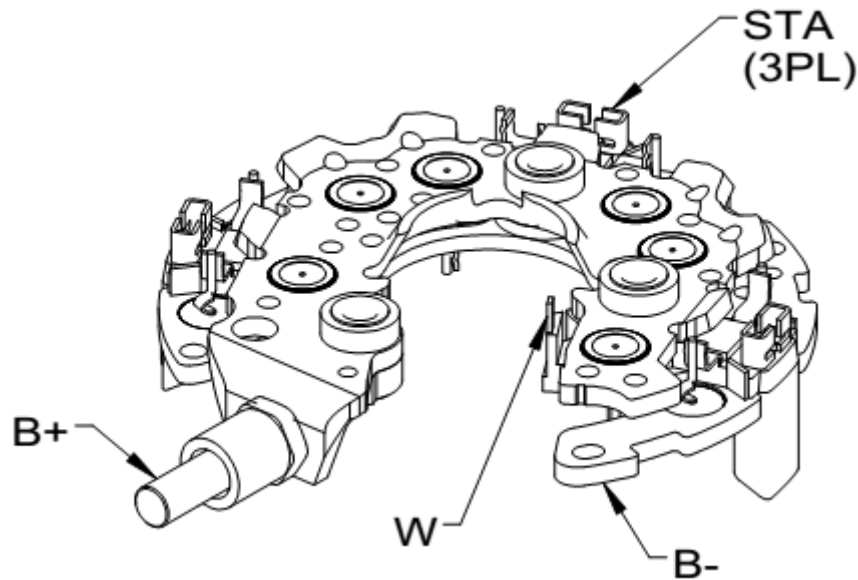
5.0 PINOUTS

Figure 3