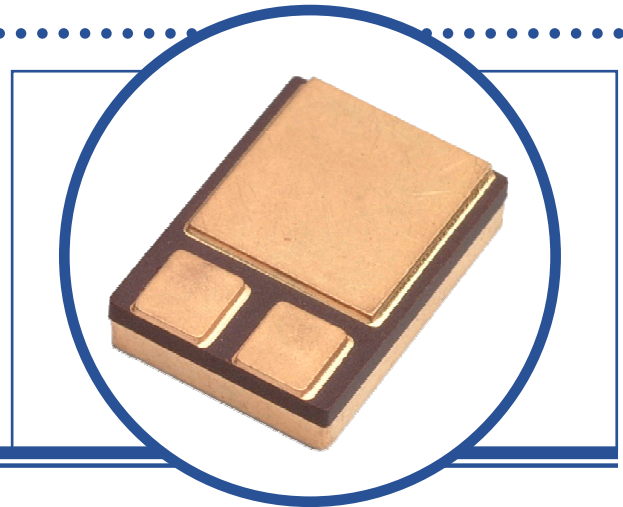


DUAL FAST RECOVERY RECTIFIER DIODE

BYV34-400MN2

- Dual Fast Rectifiers with Common Cathode
- Very Low Reverse Recovery Time – $t_{rr} < 35\text{ns}$.
- High Voltage 400V.
- Hermetic Ceramic Surface Mount Package.
- Ideally Suited For Switching Power Supplies, Inverters and as Free Wheeling Diodes.
- Space Level and High-Reliability Screening Options Available



ABSOLUTE MAXIMUM RATINGS (Per Diode, $T_C = 25^\circ\text{C}$ unless otherwise stated)

V_{RRM}	Repetitive Peak Reverse Voltage	400V
V_{RWM}	Working Peak Reverse Voltage	400V
V_R	Continuous Reverse Voltage	400V
$I_{FRM}^{(1)}$	Repetitive Peak Forward Current	130A
$I_{F(AV)}^{(2)}$	Average Forward Current ($T_C = 70^\circ\text{C}$)	20A
$I_{FSM}^{(3)}$	Surge Peak Forward Current	200A
T_{STG}	Storage Temperature Range	-65 to +200°C
T_J	Maximum Operating Junction Temperature	+200°C

THERMAL PROPERTIES

Symbol	Parameter	Max	Units
$R_{\theta JC}$	Thermal Resistance Junction to Case (per diode)	1.75	°C/W

Notes

- (1) $T_C = 25^\circ\text{C}$ @ $I_{F(AV)} = 10\text{A}$ and V_{RWM} , 8.3ms sinusoidal surges @ Duty Cycle = 0.16, rating per diode.
- (2) Switching operation, Duty Cycle = 50%, both diodes conducting.
- (3) $T_C = 25^\circ\text{C}$ @ $I_{F(AV)} = 10\text{A}$ and V_{RWM} for ten 8.3ms sinusoidal surges at 1 minute intervals, rating per diode.

