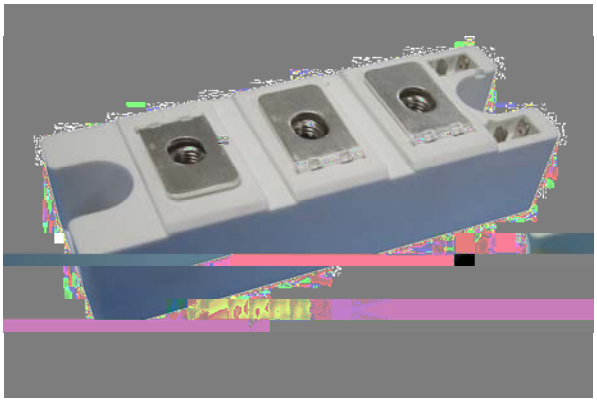
MT130CB-T2

RoHS COMPLIANT



Thyristor/Diode Modules

V_{RRM} / V_{DRM} 800 to 1800V
I_{FAV} / I_{TAV} 130A

Applications

- Power Converters
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Features

- International standard package
- High Surge Capability
- Glass passivated chip
- Simple Mounting
- Heat transfer through aluminum oxide DBC ceramic isolated metal baseplate
- UL recognized applied for file no. E360040

Module Type

TYPE	V_{RRM}/V_{DRM}	V_{RSM}
MT130CB08T2	800V	900V
MT130CB12T2	1200V	1300V
MT130CB16T2	1600V	1700V
MT130CB18T2	1800V	1900V

Diode

Maximum Ratings

Symbol	Item	Conditions	Values	Units
I_D	Output Current(D.C.)	Tc=85	130	A
I_{FSM}	Surge forward current	t=10mS Tvj =45	4700	A
i^2t	Circuit Fusing Consideration		110000	A^2s
Visol	Isolation Breakdown Voltage(R.M.S)	a.c.50HZ;r.m.s.;1min	3000	V
Tvj	Operating Junction Temperature		-40 to +125	
Tstg	Storage Temperature		-40 to +125	
Mt	Mounting Torque	To terminals(M6)	3±15%	Nm
Ms		To heatsink(M6)	5±15%	Nm
Weight	Module Approximately		165	g

Thermal Characteristics

Symbol	Item	Conditions	Values	Units
$R_{th(j-c)}$	Thermal Impedance, max.	Junction to Case	0.09	/W
Rth(c-s)	Thermal Impedance, max.	Case to Heatsink	0.05	/W

Electrical Characteristics

Thyristor
Maximum Ratings

Thermal Characteristics

Performance Curves