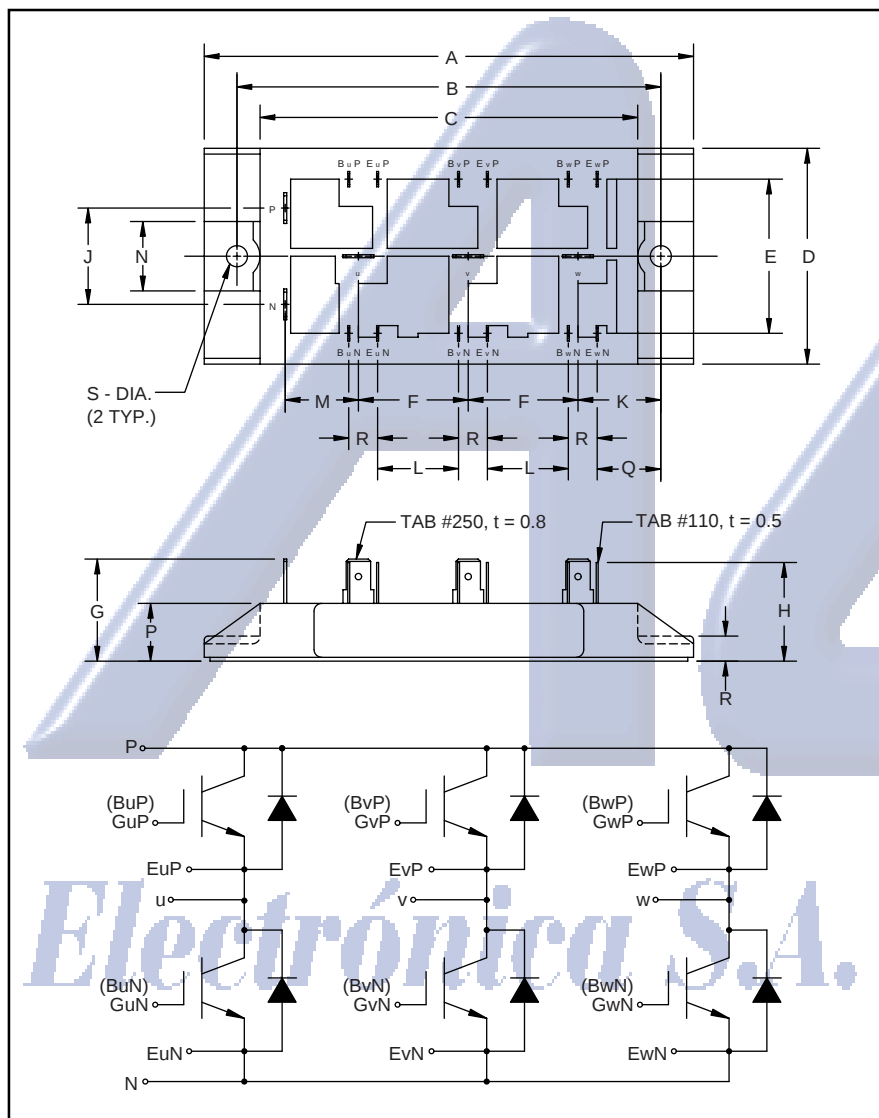


MITSUBISHI IGBT MODULES

CM50TF-12H

MEDIUM POWER SWITCHING USE
INSULATED TYPE



Outline Drawing and Circuit Diagram

Dimensions	Inches	Millimeters
A	5.00	127.0
B	4.33±0.01	110.0±0.2
C	3.86	98.0
D	2.20	56.0
E	1.57	40.0
F	1.12	28.5
G	1.04	26.5
H	1.01	25.6
J	0.98	25.0

Dimensions	Inches	Millimeters
K	0.85	21.5
L	0.83	21.0
M	0.75	19.0
N	0.71	18.0
P	0.69	17.5
Q	0.65	16.5
R	0.30	7.5
S	0.22 Dia.	Dia. 5.5



Description:

Mitsubishi IGBT Modules are designed for use in switching applications. Each module consists of six IGBTs in a three phase bridge configuration, with each transistor having a reverse-connected super-fast recovery free-wheel diode. All components and interconnects are isolated from the heat sinking baseplate, offering simplified system assembly and thermal management.

Features:

- ☐ Low Drive Power
- ☐ Low $V_{CE(sat)}$
- ☐ Discrete Super-Fast Recovery Free-Wheel Diode
- ☐ High Frequency Operation
- ☐ Isolated Baseplate for Easy Heat Sinking

Applications:

- ☐ AC Motor Control
- ☐ Motion/Servo Control
- ☐ UPS
- ☐ Welding Power Supplies

Ordering Information:

Example: Select the complete part module number you desire from the table below -i.e. CM50TF-12H is a 600V (V_{CES}), 50 Ampere Six-IGBT Module.

Type	Current Rating Amperes	V_{CES} Volts (x 50)
CM	50	12