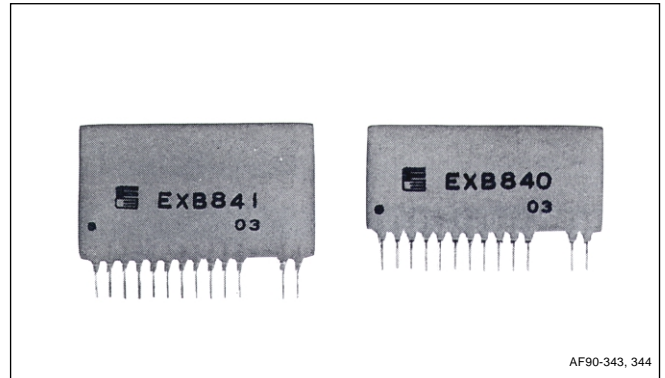


Hybrid ICs for IGBT Drive

Features

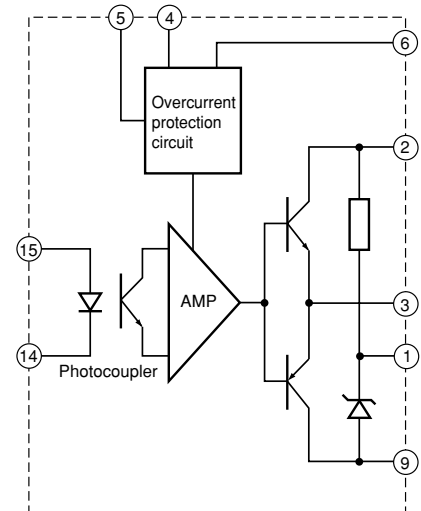
- Various series
 - Medium-speed types (EXB850, EXB851):
 - For up to 10kHz operation
 - High-speed types (EXB840, EXB841):
 - For up to 40kHz operation
- Built-in photocoupler for high isolation voltage:
 - 2500V AC for one minute
- Single supply operation
- Built-in overcurrent protection circuit
- Overcurrent detection output
- SIL package for high-density mounting

Type	Switching speed	ton toff		IGBT drive	
		ton	toff	600V	1200V
EXB850	Medium-speed	2.0μs	4.0μs	up to 150A	up to 75A
EXB851				up to 400A	up to 300A
EXB840	High-speed	1.5μs	1.5μs	up to 150A	up to 75A
EXB841				up to 400A	up to 300A

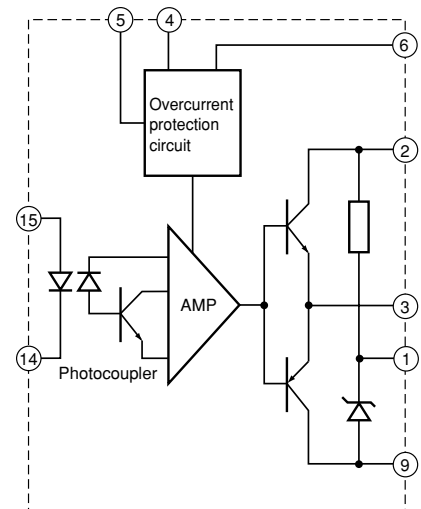


Block diagrams

EXB850, EXB851



EXB840, EXB841



Application circuit / Example

