

DC Motor Bridge Circuits from SIEMENS

Table 2.3 Mixed Technology Power Bridges						NEW	NEW
Feature	TLE 5203	TLE 5204	TLE 5205	TLE 5206	TLE 5207	TLE 5208	
Output Current	3.0 A	3.0 A	4.0 A	4.0 A	4.0 A	6 x 0.8 A	
Peak Current	4.0 A	4.0 A	5.0 A	5.0 A	6.0 A	1.0 A	
Quiescent Current	10 mA	10 mA	10 mA	10 mA	10 µA	20 µA	
Operating Range	6.0 - 40 V	6.0 - 40 V	6.0 - 40 V	6.0 - 40 V	6.0 - 40 V	6.0 - 40 V	
Short circuit Protection	Fully Protected	Fully Protected	Fully Protected	Fully Protected	Fully Protected	Fully Protected	
Diagnostic Interface	Status Flag	Status Flag	Status Flag	Status Flag	Status Flag	16 Bit SPI	
HIGHLIGHT	Open Load Detection	Break High and Low	Open Load Detection	Break High and Low	Low Quiescent Current	6 Fold Half Bridge 12 Fold Driver	
Package	P-TO220-7-1 P-TO220-7-8	P-TO220-7-1 P-TO220-7-8	P-TO220-7-1 P-TO220-7-2 P-TO220-7-8 P-DSO-20-10	P-TO220-7-8 P-DSO-20-10	P-TO220-7-1 P-TO220-7-8	P-DSO-28-6	

Table 2.4 Stepper Motor Driver							NEW	NEW
Feature	TCA 3727	TLE 4726	TLE 4727	TLE 4728	TLE 4729	TLE 5250		
Output Current	2 x 0.75 A	2 x 0.75 A	2 x 0.75 A	2 x 0.75 A	2 x 0.75 A	1 x 2.5A		
Peak Current	2 x 1.0 A	2 x 1.0 A	2 x 1.0 A	2 x 1.0 A	2 x 1.0 A	1 x 3.0 A		
Step Operations	full to mini step	full to mini step	full to mini step	full to mini step	full to mini step	full to micro st. fast nom/act comp.		
Operating Range	5.0 - 50 V	5.0 - 50 V	5.0 - 16 V	5.0 - 16 V	5.0 - 16 V	6.0 - 40 V		
Short circuit Protection	no	no	fully protected	fully protected	fully protected	fully protected		
Diagnostic Interface	error flag	error flag	error flag	two bit error flag	error flag	serial diagnostic interface		
HIGHLIGHT	Lowest Quiescent Current	Very Low Quiescent Current	5 V Logic Supply Voltage Output	Separated Error Det. for Each Phase	Low Quiescent Current	Programmable Output Current from 10 mA to 3 A		
Package	P-DIP-20-6 P-DSO-24-3	P-DSO-24-3	P-DIP-20-3	P-DSO-24-3	P-DSO-24-3	P-SIP-15-1		