



FM2981 is an electrical ignition IC for large power motorcycle. It has the features of high reliability and convenience, simple peripheral circuit.

### FEATURES

- ◆ Operating Temperature Range: -10℃ to 80℃
- ◆ Excellent temperature characteristic
- ◆ High voltage protection
- ◆ Operating Voltage Range: 5 to 20 V
- ◆ DIP package, 24 pin

### PIN DESCRIPTION

Pin	Functions	Pin	Functions
1	External charge capacitor	13	Ground
2	Reference voltage	14	External resistor and capacitor
3	External capacitor	15	Output
4	Reference voltage	16	High voltage protection
5	Reference voltage	17	Ground
6	External charge capacitor	18	Test
7	Current source output	19	Input
8	External resistor	20	NC
9	External resistor	21	Power
10	External resistor	22	External capacitor
11	External resistor	23	External capacitor
12	Ground	24	External capacitor

### ELECTRICAL CHARACTERISTICS

Symbol	Parameter	Conditions	Typ	Unit
V7	Pin7 Voltage	25	1.44	V
V5	Pin5 Voltage	25	0.30	V
V4	Pin4 Voltage	25	0.434	V
V2	Pin2 Voltage	25	0.33	V
I8	Pin8 Current	25	22	μA
I9	Pin9 Current	25	147	μA
I10	Pin10 Current	25	203	μA
I11	Pin11 Current	25	71	μA

