

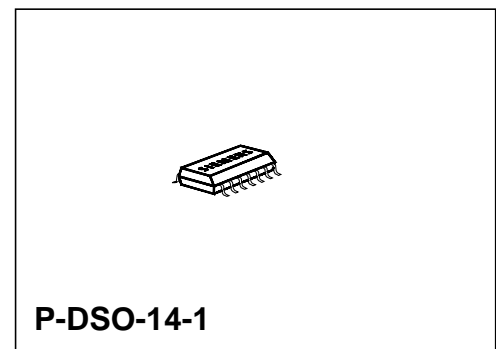
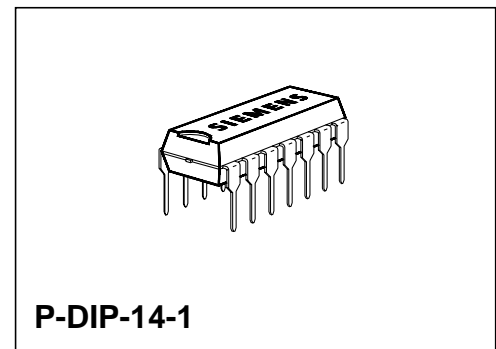
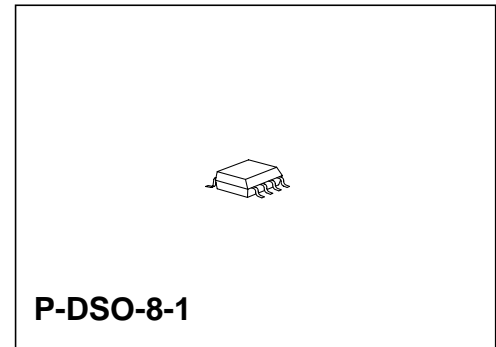
Proximity Switch

TCA 305
TCA 355

Bipolar IC

Features

- Lower open-loop current consumption; $I_s < 1 \text{ mA}$
- Lower output saturation voltage
- The temperature dependence of the switching distance is lower and compensation of the resonant circuit TC (temperature coefficient) is easier
- The sensitivity is higher, so that larger switching distances are possible and coils of a lower quality can be used
- The switching hysteresis remains constant as regards temperature, supply voltage and switching distance
- The TCA 305 even functions without external integrating capacitor. With an external capacitor (or with RC combination) good noise immunity can be achieved
- The outputs are temporarily short-circuit proof (approx. 10 s to 1 min depending on package)
- The outputs are disabled when $V_s < \text{approx. } 4.5 \text{ V}$ and are enabled when the oscillator stabilizes (from $V_{s \text{ min}} = 5 \text{ V}$)
- Higher switching frequencies can be obtained
- Miniature package



Type	Ordering Code	Package
■ TCA 305 A	Q67000-A2291	P-DIP-14-1
TCA 305 G	Q67000-A2305	P-DSO-14-1 (SMD)
TCA 355 G	Q67000-A2444	P-DSO-8-1 (SMD)

■ Not for new design