

### 1 Introduction

#### 1.1 ICs for Switched-Mode Power Supplies (SMPS)

SMPS are becoming an automatic choice as power supply elements in color TV-sets, SAT-TV receivers, monitors, VCRs, PCs etc. Because of their intelligence LSI-control circuits of the TDA 46xx family as well as their "hybrids" dramatically reduce the periphery of discrete circuitry concepts.

#### 1.2 The SMPS-IC Family at a Glance

<b>TDA 4601</b>	Control IC for Bipolar Power Transistors Wide range 90 V ... 270 V Up to 350 W, max. 90 kHz Package: P-SIP-9
<b>TDA 4605</b> Not for new development	Control IC for Power MOSFETs Wide range 90 V ... 270 V Up to 250 W, max. 165 kHz Package: P-DIP-8
<b>TDA 4605-2</b>	Improved TDA 4605 version Wide range 90 V ... 270 V Up to 150 W, max. 180 kHz Package: P-DIP-8
<b>TDA 4605-3</b>	Improved TDA 4605 version Wide range 90 V ... 270 V Up to 350 W, max. 250 kHz Package: P-DIP-8

**1.3 Types in Alphanumerical Order**

<b>Type</b>	<b>Ordering Code</b>	<b>Function</b>	<b>Page</b>
TDA 4601	Q67000-A2379	Control ICs for Switched-Mode Power Supplies	7
TDA 4605	Q67000-A8078	Control ICs for Switched-Mode Power Supplies using MOS-Transistors	33
TDA 4605-2	Q67000-A5020	Control ICs for Switched-Mode Power Supplies using MOS-Transistors	54
TDA 4605-3	Q67000-A5066	Control ICs for Switched-Mode Power Supplies using MOS-Transistors	74