

Product Overview

KA7553A: PWM Controller programmable frequency upto 600khz

For complete documentation, see the data sheet.

The KA7552A/KA7553A are switching power control IC for wide operating frequency range. The internal circuits include pulse by pulse current limiting, protection, on/off control by external trigger, low standby current, soft start, and high current totempole output for driving a POWER MOSFET. Maximum duty of the KA7552A is 70% and the KA7553A is 46%. When duty is maximum, the input threshold voltage of pin2 & pin8 are not same in KA7552A and KA7553A.

Features

- Built-in Drive Circuits for Direct Connection POWER MOSFET (IO = ±1.5A)
- Wide Operating Frequency Range (5KHz - 600KHz)
- Pulse By Pulse Over Current Limiting
- Over Load Protection
- On/Off Control By External Trigger
- Internal UVLO
- Low Standby Current (Typ. 90uA)
- Soft Start Circuit

Applications

- Other Consumer Electronics

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{sw} Typ (kHz)	Package Type
KA7553A	0.3067	Pb-free	Active							PDIP-8

For more information please contact your local sales support at www.onsemi.com.

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