



SANYO Semiconductors

DATA SHEET

LC7818 — CMOS LSI Function Switch

Use

Function switchover of amplifier, receiver, etc. and tape monitor control

Features

- (1) 2-channel 5-position source select + tape monitor on chip
- (2) Control input pins of input/output common type (Key input and LED display)
- (3) Delivers audio muting control signal.
- (4) Possible to select operation modes of backup mode, initialization mode, automatic switchover of function
- (5) Supply voltage $\pm 20V$, single-supply operation available

Absolute Maximum Ratings at $T_a = 25^\circ C, V_{SS} = 0V$

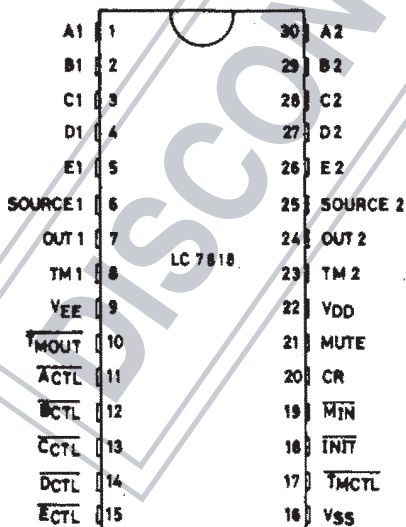
				unit	
Maximum Supply Voltage	$V_{DD} \text{ max}$	V_{DD}	$V_{EE} \leq V_{SS}$	$V_{SS} - 0.3 \text{ to } +20$	V
	$V_{EE} \text{ max}$	V_{EE}		$-20 \text{ to } V_{SS} + 0.3$	V
Output Voltage	V_{OUT}	ACTL to ECTL TMOUT		$V_{SS} - 0.3 \text{ to } V_{DD} + 0.3$	V
Output Current	I_{OUT}	"		30	mA
Voltage Difference at Analog Switch-ON Mode	ΔV_{on}	Switch ON		0.5	V
Allowable Power Dissipation	$P_d \text{ max}$	$T_a \leq 85^\circ C$		500	mW
Operating Temperature	T_{opg}			-30 to +75	$^\circ C$
Storage Temperature	T_{stg}			-40 to +125	$^\circ C$

Allowable Operating Conditions at $T_a = 25^\circ C, V_{SS} = 0V, |V_{DD}| \geq |V_{EE}|$

				min	typ	max	unit
Supply Voltage	V_{DD1}	V_{DD}	$V_{DD} - V_{EE} \geq 12V$	$V_{SS} + 6$	$V_{SS} + 18.5$		V
	V_{EE}	V_{EE}		$V_{SS} - 18.5$	V_{SS}		V
	V_{DD2}	V_{DD}	$V_{EE} \leq V_{SS} \text{ backup}$	$V_{SS} + 3$	$V_{SS} + 18.5$		V

Continued on next page.

Pin Assignment



Package Dimensions 3047A
(unit : mm)

