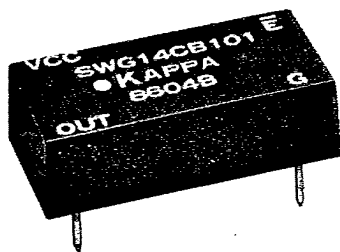


SERIES SWG14CB TTL SCHOTTKY (14-PIN)

T-50-23

SQUARE WAVE GENERATOR



FEATURES

- 14-Pin DIL Package
- TTL Schottky interfaced
- 10 TTL Fan-out capacity
- Output frequency tolerance: $\pm 2\%$
- Output duty cycle: $50\% \pm 5\%$

MARKINGS AND DIMENSIONS,
in (mm)

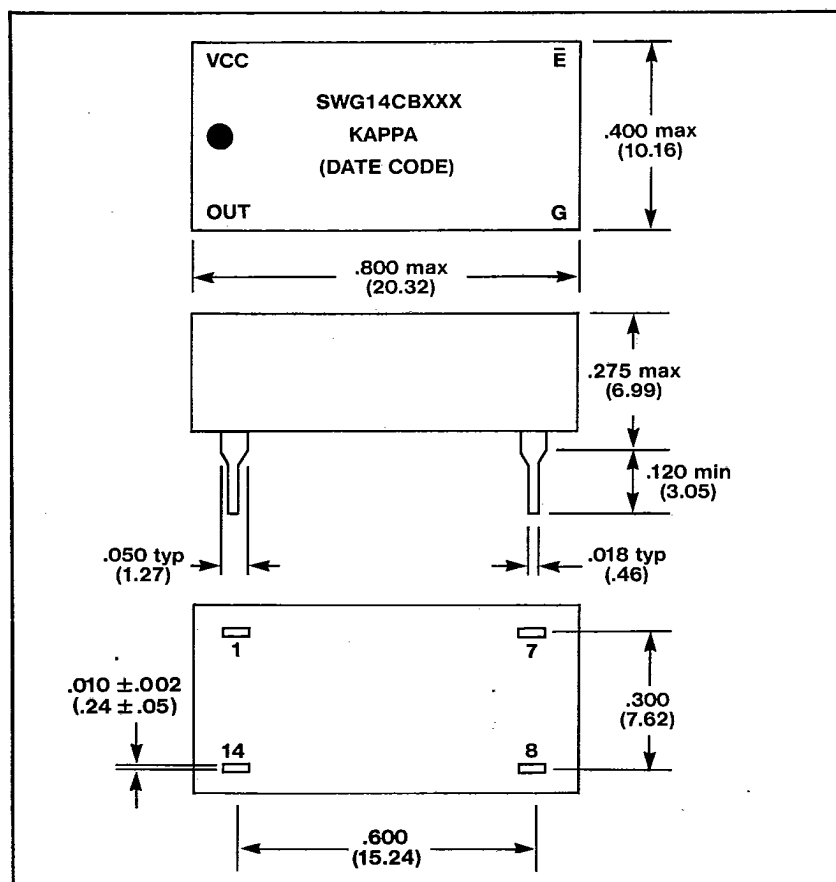
RECOMMENDED OPERATING CONDITIONS

	MIN	TYP	MAX	UNIT
V _{CC} Supply Voltage	4.75	5.00	5.25	V
V _{IH} High-Level Input Voltage	2.0			V
V _{IL} Low-Level Input Voltage			0.8	V
I _{IK} Input Clamp Current			-18	mA
I _{OH} High-Level Output Current			-1.0	mA
I _{OL} Low-Level Output Current			20	mA
T _A Operating Free-Air Temperature	0	+25	+70	°C

DC ELECTRICAL CHARACTERISTICS

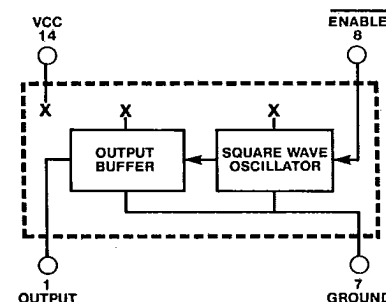
TEST CONDITIONS

V _{OH} High-Level Output Voltage	V _{CC} = min, V _{IH} = min, I _{OH} = max	2.7	3.4		V
V _{OL} Low-Level Output Voltage	V _{CC} = min, V _{IL} = max, I _{OL} = max			0.5	V
V _{IK} Input Clamp Voltage	V _{CC} = min, I _I = I _{IK}			-1.2	V
I _{IH} High-Level Input Current	V _{CC} = max, V _{IN} = 2.7V			50	μA
	V _{CC} = max, V _{IN} = 5.25V			1.0	mA
I _{IL} Low-Level Input Current	V _{CC} = max, V _{IN} = 0.5V			-2	mA
I _{OS} Short Circuit Output Current	V _{CC} = max, V _{OUT} = 0, one output at a time	-40		-100	mA
I _{CCH} High-Level Supply Current	V _{CC} = max, V _{IN} = OPEN		30	60	mA
I _{CCL} Low-Level Supply Current	V _{CC} = max, V _{IN} = 0		60	75	mA
N _H Fanout High-Level Output	V _{CC} = max, V _{OH} = 2.7V			20	TTL load
N _L Fanout Low-Level Output	V _{CC} = max, V _{OL} = 0.5V			10	TTL load



PART NUMBER	OUTPUT FREQUENCY*
SWG14CB020	2 Mhz
SWG14CB030	3 Mhz
SWG14CB040	4 Mhz
SWG14CB050	5 Mhz
SWG14CB100	10 Mhz
SWG14CB150	15 Mhz
SWG14CB200	20 Mhz
SWG14CB250	25 Mhz
SWG14CB300	30 Mhz
SWG14CB350	35 Mhz
SWG14CB400	40 Mhz
SWG14CB450	45 Mhz
SWG14CB500	50 Mhz
SWG14CB600	60 Mhz
SWG14CB700	70 Mhz
SWG14CB800	80 Mhz
SWG14CB900	90 Mhz
SWG14CB101	100 Mhz

*Other frequencies also available



KAPPA[®]

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