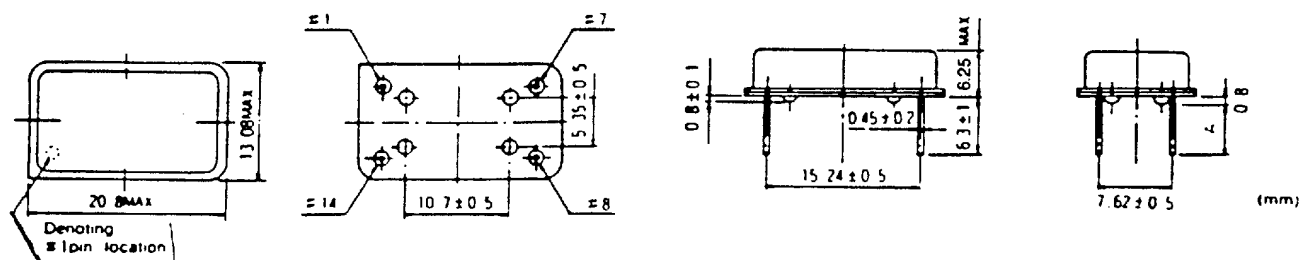


FULL RANGE QUARTZ CRYSTAL OSCILLATORS T-50-23

ECS-101 - ECL OUTPUT



MODEL		ECS-101
Frequency range		30 ~ 250 MHz
Frequency stability		± 100 ppm max. / 0 ~ +70°C (initial tolerance at 25°C included)
Operable temperature range		-20°C ~ +80°C
Frequency aging		± 5 ppm max. / year
Frequency vs. supply voltage change		± 8 ppm max. / -5.2 V $\pm$ 0.25 V
Power supply	Voltage	-5.2 V $\pm$ 0.25 V
	Current	80 mA max.
Output	Load	10K ECL
	Level	"V _{OH} " -1.15V ~ 0.87V / "V _{OL} " -2.03V ~ -1.54V
	Symmetry	50 $\pm$ 20% (at -1.29 V)
Environmental	Vibration	10 ~ 55 Hz Amplitude 1.0 Cycle 1 minute, 3 directions, 1 hour each
	Shock	1000 G
	Humidity	60°C 95% / RH 1000 hours
Rise/Fall Time		3.0 ns 20 to 80% VEE

ECS-101 - ECL OUTPUT
FREQUENCY RANGE 30 to 250 MHz
(Models A, B, C, D, E, F, G)

MODELS A-G							
PIN	A	B	C	D	E	F	G
1	N.C.	N.C.	N.C.	ECL COMP. OUT	ECL COMP. OUT	ECL COMP. OUT	CASE GND
7	-5.2V	GND	-5.2V	-5.2V	-5.2V	GND	-5.2V
8	CASE GND	CASE GND	ECL OUTPUT	ECL OUTPUT	CAS GND	CASE GND	ECL OUTPUT
14	ECL OUTPUT	ECL OUTPUT	GND CASE GND	GND CASE GND	ECL OUTPUT	ECL OUTPUT	GND

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