

ECS-2532HS

SMD Clock Oscillator

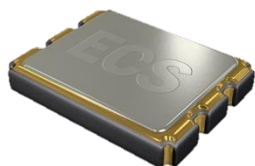
ECS-2532HS-2 (2.8V) and ECS-2532HS-3 (3.3V) subminiature High Stability SMD oscillators. Ideal for today's tight tolerance applications.

Request a Sample



OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

ECS-2532HS



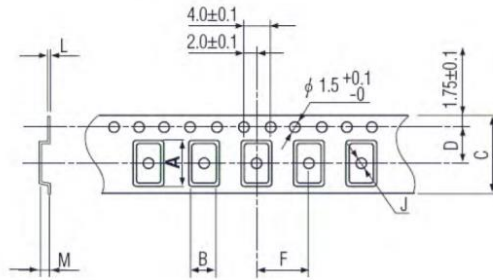
- High Stability Oscillator
- 2.5 x 3.2 mm Footprint
- Low Current Consumption
- RoHS Compliant

Parameters	Conditions	ECS-2532HS-2 (+2.8V)			ECS-2532HS-3 (+3.3V)			Units
		MIN	TYP	MAX	MIN	TYP	MAX	
Frequency Range		1.000		55.000	1.000		55.000	MHz
Operating Temperature	Standard	-40		+85	-40		+85	°C
Supply Voltage	VDD	+2.66	+2.8	+2.94	+3.135	+3.3	+3.465	VDC
Frequency Stability	Option E			±20			±20	PPM
	Option F			±15			±15	PPM
	Option G			±10			±10	PPM
Input Current	Pin 1 Open or ViH			10			10	mA
Stand-by Current	Pin 1 = VIL			10			10	µA
Output Symmetry	@50% VDD Level			45/55			45/55	%
Rise and Fall Times	10% VDD to 90% Level			5			5	ns
"0" Level	VOL			10% VDD			10% VDD	VDC
"1" Level	VOH	90% VDD			90% VDD			VDC
Output Load	CMOS			15			15	pF
Disable Delay Time				100			100	ns
Startup Time				10			10	ms
Aging	@ +25°C ±3°C first year			2			2	PPM

Part Numbering Guide: Example ECS-2532HS-200-3-G-TR

ECS	Series	Frequency Abbreviations	Voltage	Stability	Packaging
ECS	2532HS	200 = 20 MHz	2 = +2.8V ±5% 3 = +3.3V ±5%	E = +/- 20 PPM F = +/- 15 PPM G = +/- 10 PPM	TR = Tape & Reel 500/Reel

TAPE DIMENSIONS (mm)



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
3.5	2.8	8.0	3.5	4.0	1.1	0.25	1.0	180	500

Package Data	
Item	Description
Lid	Metal
Base	Ceramic
Sealing	AuSn
Terminal	Tungsten (metalized)
Plating	Gold/Nickel (Surface)/(Under)
RoHS	Compliant (Pb Free)

Figure 4) Pocket Tape Dimensions