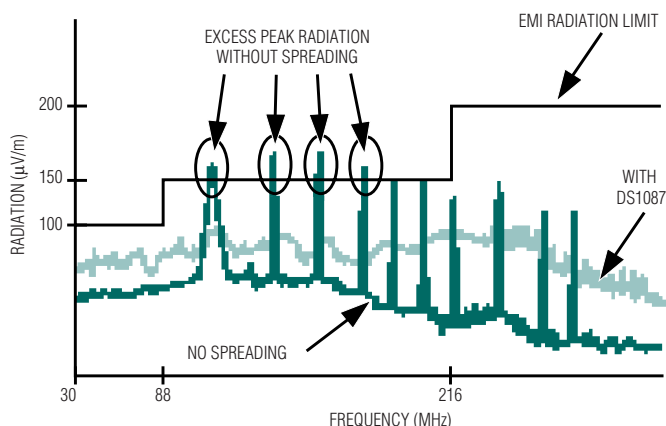


SPREAD-SPECTRUM CLOCK OSCILLATOR REDUCES EMI UP TO 20dB!

DS1087 EconOscillator™ Requires No External Components

REDUCE RADIATED ENERGY



- ◆ Single-Chip Solution Requires No Programming
- ◆ Eliminates Expensive Shielding
- ◆ Fixed Frequencies from 130kHz to 133MHz
- ◆ 2% or 4% Dithered Output
- ◆ 5V* or 3.3V Operation
- ◆ Over 20 Standard Frequencies or Order a Custom Frequency
- ◆ Easy Crystal Replacement Lowers Your EMI

Part	Frequency (MHz)	Supply (V)	Spread (%)	Pin-Package	Price† (\$)
DS1087U-202*	2.0480	4.75 to 5.25	2	8-µSOP	0.85
DS1087LU-202	2.0480	2.7 to 3.6	2	8-µSOP	0.85
DS1087U-402*	2.0480	4.75 to 5.25	4	8-µSOP	0.85
DS1087LU-402	2.0480	2.7 to 3.6	4	8-µSOP	0.85
DS1087U-210*	10.0000	4.75 to 5.25	2	8-µSOP	0.85
DS1087U-216*	16.6666	4.75 to 5.25	2	8-µSOP	0.85
DS1087U-266*	66.0000	4.75 to 5.25	2	8-µSOP	0.85
DS1087U-2AB*	133.0000	4.75 to 5.25	2	8-µSOP	0.85
DS1087U-yxx*	Fixed up to 133	4.75 to 5.25	2 or 4	8-µSOP	0.85
DS1087LU-yxx	Fixed up to 66	2.7 to 3.6	2 or 4	8-µSOP	0.85

Shaded rows denote factory-programmed, user-defined frequency options.

* Future product—contact factory for availability.

Econoscillator is a trademark of Dallas Semiconductor.

†1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



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