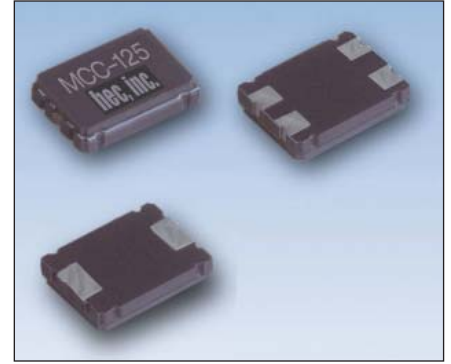


HE-MCC-125 series is HEC's miniature ceramic base surface mount crystal encased in a compact low profile package. These crystals are glass sealed in a ceramic housing, which offers both economical cost and high reliability. HEC, INC. offers three (2) different true SMD footprint patterns, and the extended temperature range is optional.



**FEATURES:**

- Glass sealed ceramic package
- 2 different industry standard footprints available
- Gold plated terminals for the best solderability
- Available on tape and reel (1,000 PC per reel)

**ELECTRICAL SPECIFICATIONS / PART NUMBERING GUIDE**

PARAMETERS	CONDITION	HE-MCC-125	UNIT
FREQUENCY RANGE		8.192 - 100.00	MHz
FREQUENCY TOLERANCE	at 25°C	±50 PPM (tighter tolerances optional)	PPM
FREQUENCY STABILITY	at 25°C	±50 PPM (tighter tolerances optional)	PPM
OPERATING TEMPERATURE		-10°C to +70°C (-40°C to +85°C optional)	°C
STORAGE TEMPERATURE		-40°C to +85°C (-55°C to +125°C optional)	°C
SHUNT CAPACITANCE (Co)		5.0	pF
LOAD CAPACITANCE (CL)		18pF standard or customer specified	pF
DRIVE LEVEL	8.192 MHz - 100 MHz	100 μ W max.	μW

**EQUIVALENT SERIES RESISTANCE**

FREQUENCY (MHz)	ESR VALUE (Ω)	OSCILLATION MODE
8.1920 - 15.999	60	FUNDAMENTAL
16.000 - 40.000	50	FUNDAMENTAL
30.000 - 60.000	80	3rd OVERTONE

**PART NUMBERING GUIDE**

HE-MCC-125	PAD LAYOUT	TEMP. RANGE	- FREQUENCY	- CAPACITANCE LOAD	- OPTIONS
HE-MCC-125	A or B (see drawing below)	Blank = -10°C to +70°C E = -40°C to +85°C	Enter user frequency	-Enter capacitance load 10pF ~ Series Res.	- XX PPM for tighter tolerance, custom options
EXAMPLE:	HE-MCC-125BE-10.00-18-10PPM				

**MECHANICAL DRAWING**

