

**SMD Oscillator**

Ultra-thin, thickness (1.2mm max.).

It is a compact and thin ceramic package with a metalized lead for surface mounting CMOS,TTL IC direct drive is possible. Depending upon the frequency band, there is also a crystal oscillator with a CMOS-IC with a tri-state function built in.

RoHs compliant and lead free.



**Part Numbering Example: CC325 L Z - A2 B2 45- 8.0 TS**

CC325	L	Z	A2	B2	45	8.0	TS
SERIES	VOLTAGE	ADD FEATURES	OPERATING TEMP.	STABILITY	SYMMETRY	FREQUENCY	TRI STATE
CC325	L = 3.3V Blank = 5V Q = 1.8V	BLANK = BULK PACK Z = TAPE AND REEL	Blank = 0°C ~ +70°C A2 = -40°C ~ +85°C	Blank = ± 100ppm B2 = ± 50ppm BR = ± 25ppm	45 = 45/55%		

*\*NOTE: The above ABC combinations cover basic specification options. We tailor our crystals specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.*

**Specifications:**

<b>Frequency Range:</b>	1.0 ~ 60.0 MHz
<b>Frequency Stability:</b>	± 25ppm, ± 50ppm
<b>Operating Temperature Range:</b>	0 ~ +70°C
<b>Storage Temperature Range:</b>	-40 ~ +85°C
<b>Supply Voltage:</b>	1.8V ~ 5.0V
<b>Current:</b>	30mA MAX.
<b>Load:</b>	15pF
<b>Output Level:</b>	CMOS
<b>Output Symmetry:</b>	45 ~ 55% (VT=1/2VDD)
<b>Rise Time /Fall Time:</b>	10ns MAX.
<b>Start-up Time:</b>	10ms MAX.

**CC325**

(Top View)

Pin Assignment

- #1 STANDBY CON
- #2 GND
- #3 OUTPUT
- #4 VDD

Pin 1	Output
H/Floating	Enable
L	Standby

