



Quartz Crystal Specification

Customer	:	CERN
Product	:	CC1F-T1A 160.314744 MHz
Customer spec. Nr.	:	CERN 160_314744 MHz spec rev.3
Initiator	:	S. Dalla Piazza
Date	:	28.02.2005

All parameters not listed below are specified in the standard product datasheet CC1F-T1A Version 2.4/07.2004.

Special Specification :

Pos	Description	Symbol	Typ.	Min.	Max.	Unit
1	Load Frequency	FL	160.314744			MHz
2	Load Capacitance	CL	5.5			pF
3	Frequency Tolerance at 25 °C	Δ FL/FL		-18	18	ppm
4	Motional Capacitance	C1		4.2	8.5	fF
5	Static Capacitance	Co	2.8			pF
6	Drive Level	P			300	μ W
7	Operating Temperature Range	OTR		0	60	°C
8	Series Resistance at 25 °C	Rs			25	Ohm
9	Drift over OTR (@ 500 μ W)	Δ FL/FL		-10	10	ppm
10	Activity dips (@ 500 μ W)	Δ FL/FL		-2	+2	ppm

Special Requirements :

Pos	Description
1	This spec needs a 100% frequency over temperature measurement, step 5 °C
2	Temperature measurement with 500 μ W
3	Electrical sorting with 300 μ W
4	
5	

Distribution :

1	Sales (original)
2	CC – Production (1)
3	QC (2)