

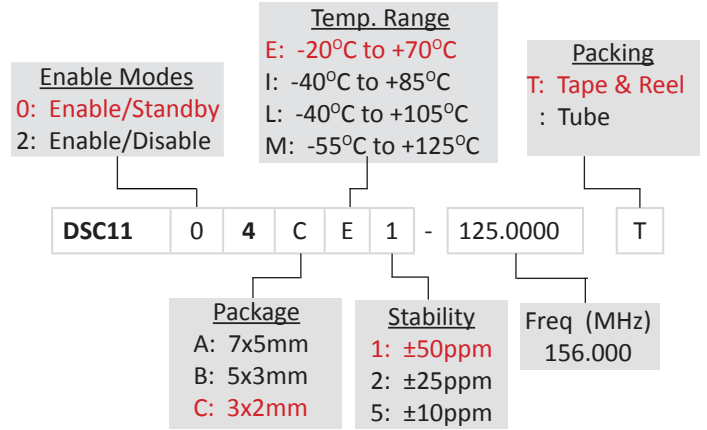
Static sensitive device

NEW PART! - Quick Delivery Available

Absolute Maximum Ratings

Item	Min.	Max.	Unit	Condition
Supply Voltage	-0.3	+4.0	V	
Input Voltage	-0.3	V _{DD} +0.3	V	
Junction Temp.	-	+150	°C	
Storage Temp.	-55	+150	°C	
Soldering Temp.	-	+260	°C	40sec Max.
ESD	HBM	4000		
	MM	400	V	
	CDM	1500		

Ordering Code



Parameter	Condition	Min.	Typ.	Max.	Unit
Supply Voltage	V _{DD}	2.25		3.6	V
Standby Current	I _{DD} DSC1104			0.1	mA
	I _{DD} DSC1124		20	26	
Frequency Stability	Δf	Includes initial tolerance, temp. & power supply variations - See options above			ppm
Ageing	Δf	1st year @ 25°C			±5 ppm
Start-up Time	t _{SU}	T = 25°C			10 ms
Input Logic	V _{IH}	Input Logic High		75% V _{DD}	V
	V _{IL}	Input Logic Low		25% of V _{DD}	
Supply Current	I _{DD}	O/P Enabled RL=50Ω		40	60 mA
Output Logic	V _{OH}	Output Logic High RL=50Ω		0.725	V
	V _{OL}	Output Logic Low RL=50Ω		0.1	
Pk to Pk Swing		Single Ended		675	mV
Rise/Fall Time	T _F /T _R	80% to 20% RL=50Ω CL=2pF		250	ps
Duty Cycle	SYM	Differential		48	52 %
Period Jitter (RMS)	J _{PER}	CL=15pF		3.3	ps
Integrated Phase Noise (RMS)	J _{PH}	200kHz to 20MHz @ 156MHz		0.3	ps
		100kHz to 20MHz @ 156MHz		0.45	
		12kHz to 20MHz @ 156MHz		1.9	

Dimensions (mm)

