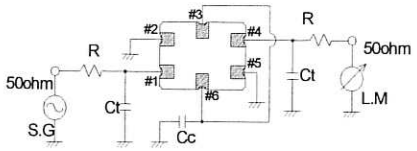
MONOLITHIC CRYSTAL FILTER SPECIFICATION

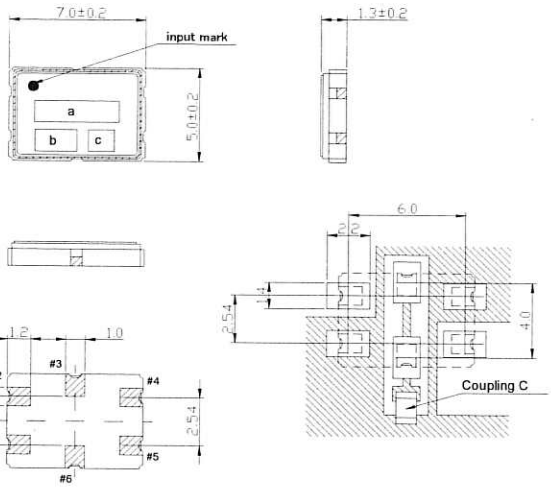
1.Model		D49910GQ9	
2.Type		DSF753SDF	
3.Electrical Performances			
	3-1.Nominal Frequency	49.950	MHz(fundamental)
	3-2.Pass Bandwidth	±5.00	kHz MIN./3dB
	3-3.Stop Bandwidth	±20.00	kHz MAX./35dB
	3-4.Insertion Loss	5.0	dB MAX./ (minimum loss)
	3-5.Ripple	1.0	dB MAX.
	3-6.Guaranteed Attenuation	80	dB MIN./(f0-1000kHz)
		80	dB MIN./(f0+1000kHz)
	3-7.Spurious Response	40	dB MIN./
	3-8.Intermodulation	-90	dBm max./(-20dBm f0±25kHz & ±50kHz)
	3-9.Terminal Impedance	340	ohm+/-10%
		8	pF+/-0.5pF
	3-10.Maximum Input Level	-10	dBm
	3-11.Insulation Resistance	500	M ohm MIN. / DC 100V (Between Case and IN/OUT Terminal)
4.Operating Temperature Range		-20 ～ +70 ℃	

5.Test Circuit



R=290 ohm
Ct=8 pF(floating capacity included)
Cc=22 pF(floating capacity included)

6.Dimensions(unit:mm)



PIN	Connection
#1	IN
#2	GND
#3	Connect With #6
#4	OUT
#5	GND
#6	Connect With #3

7.Marking

(a) Model
(b) Maker
(c) Manufactured Year Month(*1)

(*1)Year The last digit of the year of the Christian Era should be corresponded to the Arabic figures.

JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
A	B	C	D	E	F	G	H	J	K	L	M

				DWG. No.
		DATE	2013/1/22	