

Technical Support of TCXO

(Temperature Compensated Crystal Oscillator)

TCXO Circuit

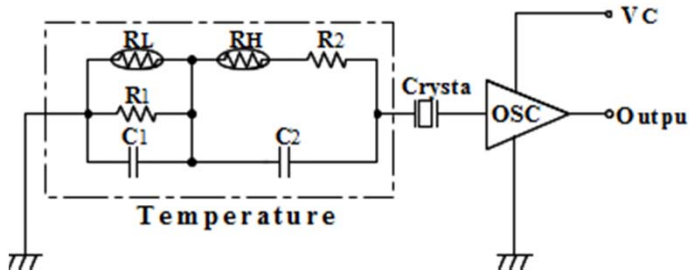


Fig.2-1 Direct Compensated type

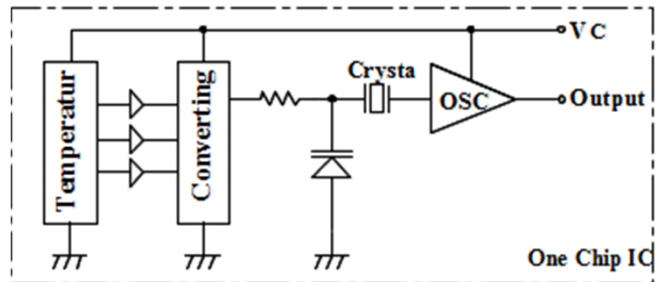


Fig.2-2 Indirect Compensated type

VEXO Circuit

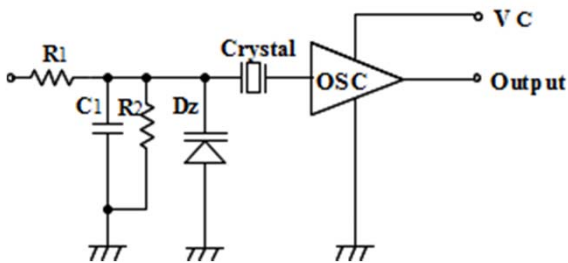


Fig. 2-3 Voltage Controlled Crystal Oscillator

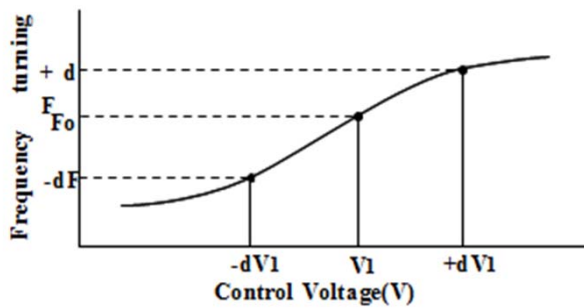
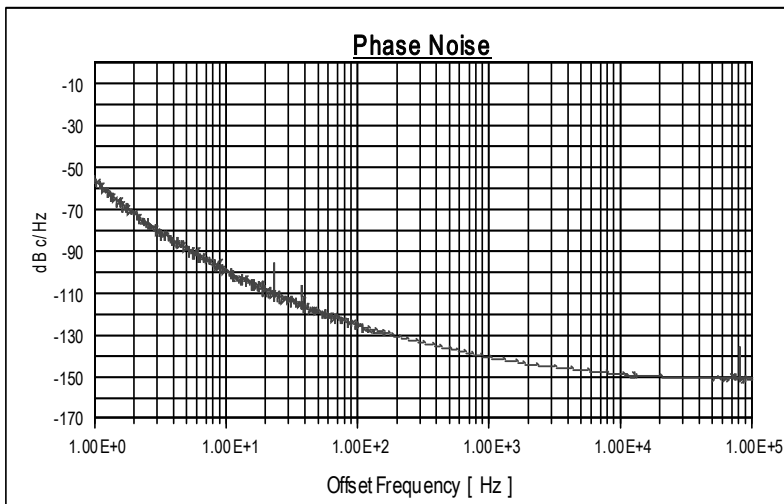


Fig. 2-4 Characteristic of Voltage Control

Phase Noise



CO-AS5032/AS5032V

Frequency (MHz)	Carrier Offset Frequency					
	1Hz	10Hz	100Hz	1KHz	10KHz	100KHz
10 to 13	-62	-90	-118	-139	-149	-152
13 to 15	-60	-89	-116	-138	-148	-152
15 to 18	-58	-88	-114	-137	-148	-151
18 to 20	-56	-87	-112	-136	-147	-151
20 to 23	-54	-86	-110	-135	-147	-151
23 to 25	-52	-84	-108	-134	-146	-150
25 to 28	-50	-82	-107	-133	-145	-150
28 to 30	-48	-80	-106	-132	-144	-150
30 to 33	-46	-78	-105	-131	-143	-149
33 to 35	-45	-76	-104	-130	-143	-149
35 to 38	-44	-74	-103	-129	-142	-149
38 to 40	-43	-72	-102	-128	-142	-148
40 to 43	-42	-70	-101	-127	-141	-148
40 to 45	-41	-68	-100	-126	-141	-148

VCTCXO - Vcont Linerarity

