

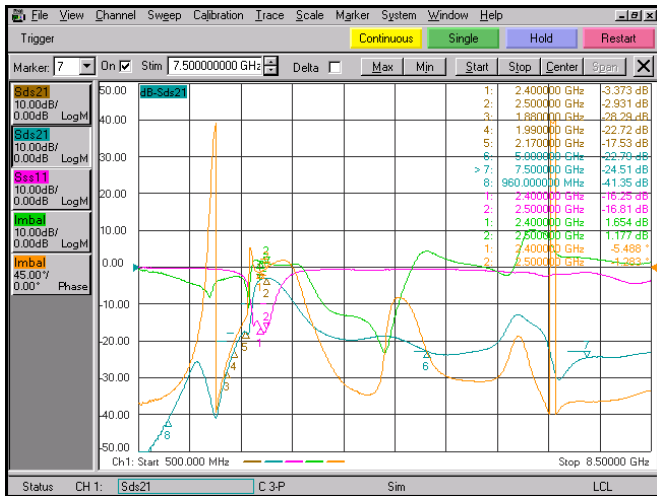
Electrical Characteristics

Part Number	Pass Band (GHz)	Impedance Unbalance / Balance ()	VSWR	IL (dB)	Difference		Attenuation
					Amplitude (dB)	Phase (Degree)	
COB2012T2450HA 1	2.4~2.5	50/100	2	3.5	2	180±10	40dB Min @ 880~960MHz ref 27dB Min @ 1710~1880MHz 20dB Min @ 1880~1990MHz 15dB Min @ 2110~2170MHz 20dB Min @ 2fo 20dB Min @ 3fo
COB2012T2450HA 2	2.4~2.5	Conjugate match to CSR BC series.	2	3.5	2.2	180±10	30dB Min @ 880~960MHz ref 20dB Min @ 1710~1880MHz 15dB Min @ 1880~1990MHz 10dB Min @ 2110~2170MHz 20dB Min @ 2fo 20dB Min @ 3fo
COB2012T2450HAA	2.4~2.5	50/100	2	3.5	2	180±10	40dB Min @ 880~960MHz ref 27dB Min @ 1710~1880MHz 20dB Min @ 1880~1990MHz 15dB Min @ 2110~2170MHz 20dB Min @ 2fo 20dB Min @ 3fo
COB2520T2450HA 1	2.4~2.5	50/100	2	3.3	1	180±10	40dB Min @ 880~960MHz ref 20dB Min @ 1710~1880MHz 18dB Min @ 1880~1990MHz 12dB Min @ 2110~2170MHz 25dB Min @ 4800~5000MHz 25dB Min @ 7200~7500MHz
COB2520T2450HA2	2.4~2.5	50/100	2	3.0	1	180±10	40dB Min @ 880~960MHz ref 20dB Min @ 1710~1880MHz 18dB Min @ 1880~1990MHz 10dB Min @ 2110~2170MHz 23dB Min @ 4800~5000MHz 23dB Min @ 7200~7500MHz
COB2520T2450HA 3	2.4~2.5	50/100	2	2.5	2	180±10	35dB Min @ 880~960MHz 22dB Min @ 1710~1910MHz 22dB Min @ 4800~5000MHz 25dB Min @ 7200~7500MHz

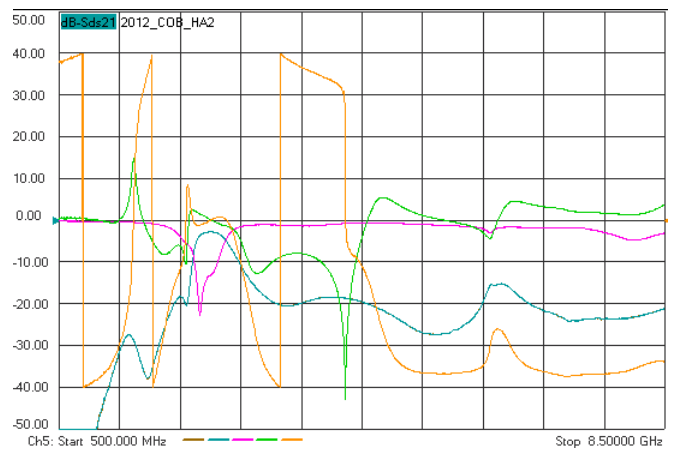
Low Temperature Cofired Ceramic LTCC Series

Test Instruments : Agilent E5071B/N5230A Vector Network Analyzer

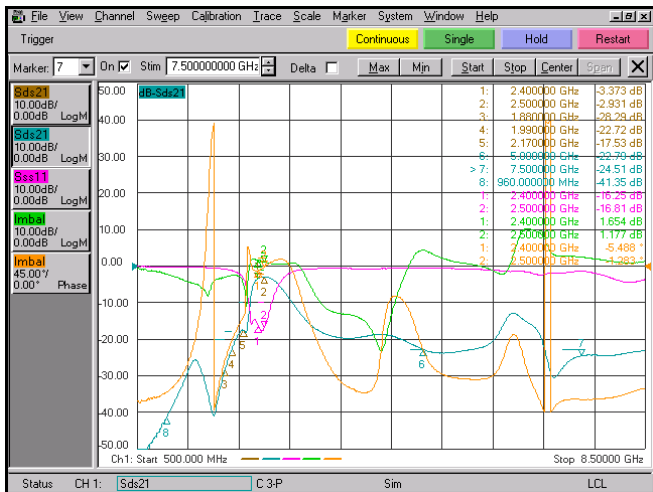
COB2012T2450HA1



COB2012T2450HA2



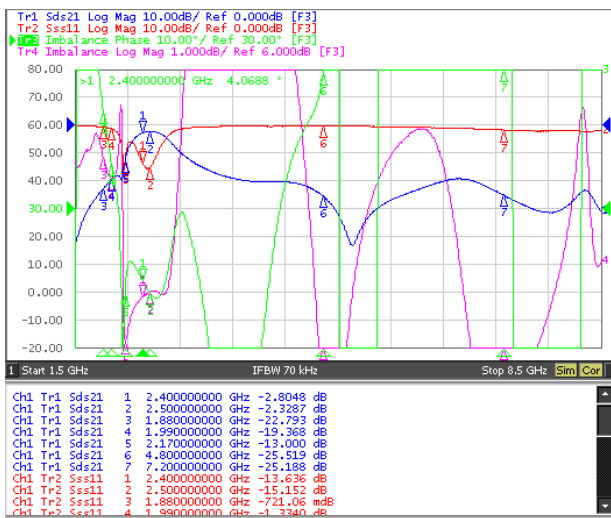
COB2012T2450HAA



COB2520T2450HA1



COB2520T2450HA2



COB2520T2450HA3

