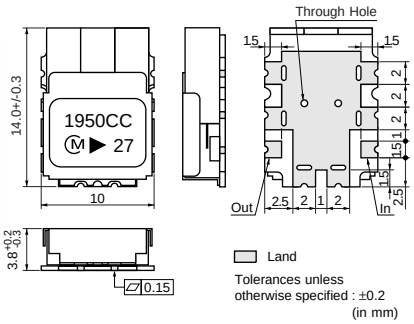
1

DFCH Series 1.5-2.5GHz

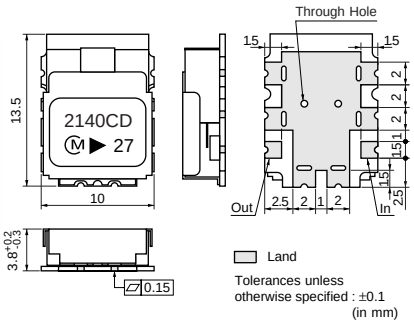
■ Features

1. Low insertion loss for using high Q-value dielectric resonators
2. Small and light for using high dielectric constant ceramics
3. Excellent temperature stability for temperature compensated dielectric constant (0+-5 ppm/degree C max.)
4. Excellent mechanical stability without vibratile structure
5. SMD and reflow soldering available
6. Mountable by automatic placement machine

DFCH31G95HDHAA

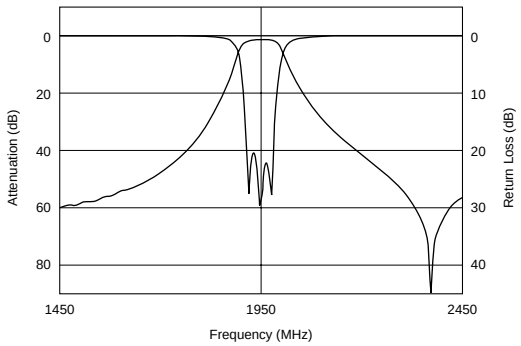


DFCH32G14HDHA

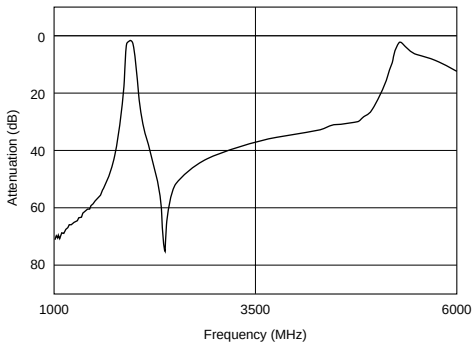


■ Characteristics

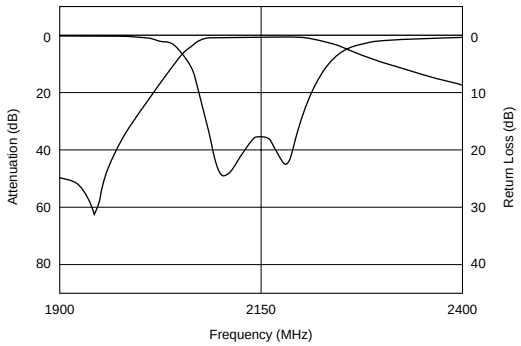
Pass Band: DFCH31G95HDHAA



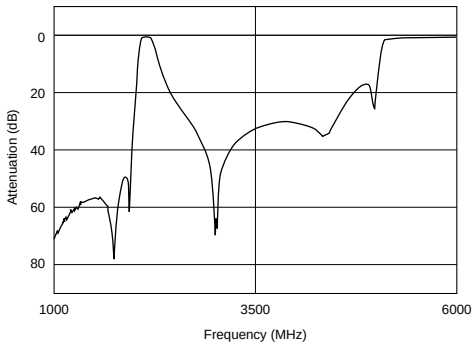
Spurious: DFCH31G95HDHAA



Pass Band: DFCH32G14HDHA



Spurious: DFCH32G14HDHA



Application	Part Number	fo (MHz)	Bandwidth (MHz)	IL at BW (dB max.)	Attenuation (dB min.)	Operation Temp. (°C)
GPS	**DFCH21G57HDHAA**	1575.5	2	0.9	16 (Fo-140MHz)	-30 to +85
PHS	**DFCH21G90HDJAA**	1907.5	25	0.7	35 (Fo-227.5MHz)	-30 to +85
WLAN2.4	**DFCH22G44HDHAA**	2442	84	1.2	15 (Fo±250MHz)	-30 to +85
WLAN2.4	**DFCH22G45HDHAA**	2450	100	1.0	16 (Fo-250MHz)	-30 to +85
WLAN2.4	**DFCH22G48HDHAA**	2484	26	2.5	47 (Fo-270MHz)	-30 to +85
VICS	**DFCH22G50HDHAA**	2500	4	2.4	10 (Fo±60MHz)	-30 to +85
MSAT	**DFCH31G54HDJAA**	1542	34	3.0	30 (1626.5 to 1660.5MHz)	-30 to +85
MSAT	**DFCH31G64HDJAA**	1643.5	34	3.0	30 (1525 to 1559MHz)	-30 to +85
DCS1800	**DFCH31G74HDJAA**	1747.5	75	2.0	8 (Fo±80MHz)	-30 to +85
DCS1800	**DFCH31G84HDJAA**	1842.5	75	2.0	8 (Fo±80MHz)	-30 to +85
PCS1.9	**DFCH31G88HDJAA**	1880	60	2.2	15 (Fo±100MHz)	-30 to +85
W-CDMA	**DFCH31G95HDHAA**	1950	60	1.8	45 (1550MHz)	-30 to +85
PCS1.9	**DFCH31G96HDJAA**	1960	60	2.2	15 (Fo±100MHz)	-30 to +85
W-CDMA	**DFCH32G14HDHAA**	2140	60	1.3	52 (1325 to 1385MHz)	-30 to +85
MMDS	**DFCH32G15HDHAB**	2156	20	3.0	36 (2050MHz)	-35 to +85
WLAN2.4	**DFCH32G44HDHAA**	2442	84	2.4	36 (Fo-250MHz)	-30 to +85
WLAN2.4	**DFCH32G45HDHAA**	2450	100	2.3	36 (Fo-250MHz)	-30 to +85
WLAN2.4	**DFCH32G48HDHAA**	2484	26	3.0	45 (Fo-270MHz)	-30 to +85
DCS1800	**DFCH41G74HDJAA**	1747.5	75	3.6	10 (Fo±57.5MHz)	-30 to +85
DCS1800	**DFCH41G84HDJAA**	1842.5	75	3.6	10 (Fo±57.5MHz)	-30 to +85
PCS1.9	**DFCH41G88HDJAA**	1880	60	4.5	12 (Fo±50MHz)	-30 to +85
PCS1.9	**DFCH41G96HDJAA**	1960	60	4.5	12 (Fo±50MHz)	-30 to +85
MMDS	**DFCH42G59HDHAB**	2593	186	1.8	50 (Fo-400MHz)	-35 to +85