

Features

- Low Insertion Loss
- Small Footprint
- Surface Mount
- UMTS Band Ceramic Quadruplexer

Descriptions

Surface mount ceramic quadruplexer developed for UMTS band applications.

Electrical Specifications

Parameter	Unit	Specification			
		1800 RX Band	2100 RX Band	1800 TX Band	2100 TX Band
Center Frequency	MHz	1756.7	1970	1851.7	2160
Band Width	MHz	1746.7 ~ 1766.7	1960 ~ 1980	1841.7 ~ 1861.7	2150 ~ 2170
Insertion Loss in BW	dB	2.0 max	2.0 max	2.0 max	2.0 max
Return Loss	dB	14.0 min	14.0 min	14.0 min	14.0 min
Attenuation	dB	50 min@0~1000 MHz	50 min@0~1000 MHz	55 min@0~1000 MHz	55 min@0~1000 MHz
		10 min@1000~1726.7MHz	50 min@1841.7~1861.7MHz	30 min@1000~1746.7MHz	30 min@1000~1746.7MHz
		10 min@1786.7~1841.7MHz	10 min@1861.7~1940MHz	50 min@1746.7~1766.7MHz	60 min@1746.7~1766.7MHz
		50 min@1841.7~1861.7MHz	10 min@2000~2150MHz	10 min@1766.7~1831.7MHz	15 min@1766.7~1960MHz
		50 min@2150~2170MHz	50 min@2150~2170MHz	10 min@1871.7~1960MHz	60 min@1960~1980MHz
		TBD @2170~12750MHz	TBD @2170~12750MHz	55 min@1960~1980MHz	15 min@1980~2140MHz
				TBD @1980~12750MHz	10 min@2180~2300MHz
Input Power	Watt	10 CW max			
IN/OUT Impedance	Ω	50			

Mechanical Drawing (Unit: mm)

