

DESCRIPTION

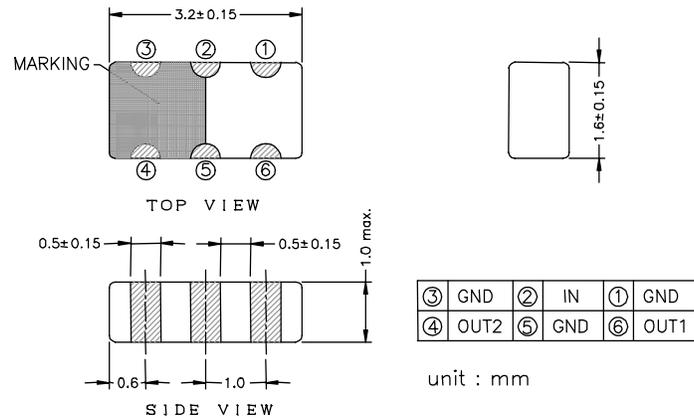
TOKO's LTF3216D is a multilayer ceramic diplexer for dual band mobile communication systems. It has low passband loss in both high and low bands. TOKO's proprietary ceramic multilayer material and process is utilized for excellent performance and exceptional reliability. Specific parts have been designed for most common dual band systems, such as AMPS-PCS and EGSM-DCS.



FEATURES

- Miniature footprint: 3.2 x 1.6mm
- Low profile: 1.0mm max.
- Integrated ceramic structure
- Operating temperature: - 55°C to + 125°C
- Reflow solderable

DIMENSIONS



ELECTRICAL SPECIFICATIONS

AMPS/PCS

TOKO Part Number	LTF3216D-F17K		LTF3216D-F17S	
	OUT1 (AMPS)	OUT2 (PCS)	OUT1 (AMPS)	OUT2 (PCS)
Frequency Range	824-894 MHz	1850-1990 MHz	824-894 MHz	1850-1990 MHz
Attenuation @ Low Band (dB)	0.4 max.	20.0 min.	0.5 max.	20.0 min.
Attenuation @ High Band (dB)	20.0 min.	0.45 max.	20.0 min.	0.55 max.
Passband Return Loss (dB)	12.0 min.	12.0 min.	11.0 min.	11.0 min.
Impedance	50 Ω	50 Ω	50 Ω	50 Ω

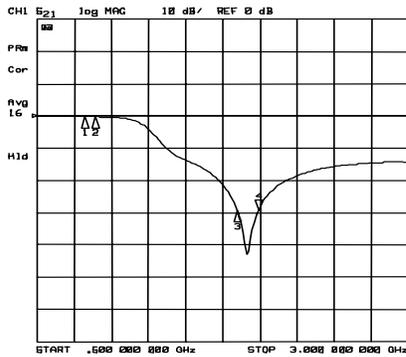
EGSM/DCS

TOKO Part Number	LTF3216D-F25F		LTF3216D-F25S	
	OUT1 (EGSM)	OUT2 (DCS)	OUT1 (GSM)	OUT2 (DCS)
Frequency Range	880-960 MHz	1710-1880 MHz	880-960 MHz	1710-1880 MHz
Attenuation @ Low Band (dB)	0.5 max.	20.0 min.	0.5 max.	20.0 min.
Attenuation @ High Band (dB)	19.0 min.	0.55 max.	16.0 min.	0.55 max.
Passband Return Loss (dB)	12.0 min.	12.0 min.	11.0 min.	11.0 min.
Impedance	50 Ω	50 Ω	50 Ω	50 Ω

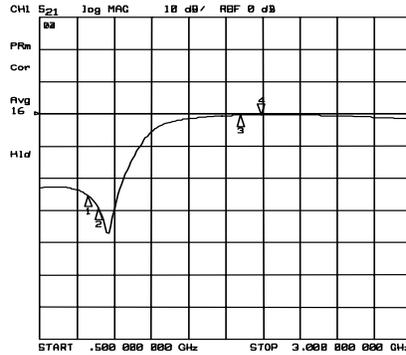
TYPICAL CHARACTERISTICS

LTF3216D-F17K

Attenuation at AMPS

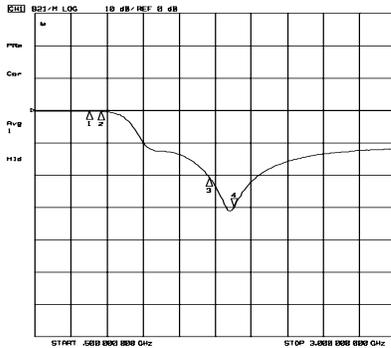


Attenuation at PCS

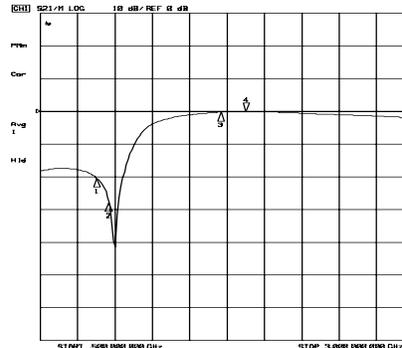


LTF3216D-F25F

Attenuation at EGSM



Attenuation at DCS



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