PCS Transmit Bandpass Filter

C5031 PCS Transmit Bandpass Filter

Wireless Application

Excellent Eelectrical Performance

Superior Performance

Low Loss and High Rejection

Low Insertion Loss and VSWR

DESCRIPTION C5031 PCS Transmit Bandpass Filter. This PCS Transmit Bandpass Filter passes the PCS 1930 to 1990 MHz transmit passband while providing greater than 50 to 60 dB rejection to the 1850 to 1910 MHz receive passband.

ADVANTAGES **The** Microphase designed and engineered C5031 PCS Transmit Bandpass Filter provide excellent frequency flatness, with low insertion loss and VSWR. You recieve excellent electrical performance, environmental stability and mechanical reliability. All of our products are 100% tested, fully productized and readily available. This component can be designed to your specifications.

SPECIFICATIONS

Frequency Range -Tx	1930 - 1990 MHz
Bandwidth	60 MHz
Insertion Loss	0.9 dB
Rejection DC - 1905 MHz	60 dB
Rejection 1906 - 1910 MHz	50 dB
IN Impedance	50 Ohms
OUT Impedance	50 Ohms
VSWR	1.45:1
Passband Ripple	± 0.1 dB
Operating Temperature	-30° to +70° C
Size (excluding connectors)	4.77" L x 2.47" W x 1.50" H
Connectors	Type N of SMA female
Weight	17 oz.

Wireless Application

MICROPHASE CORPORATION

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These units can be designed to your specification. Please contact Microphase for your special design requirements.

Wireless Lowpass Filter

C5033 Wireless Lowpass Filter

Wireless

Excellent Electrical Performance

Superior Performance

Low Loss and High Rejection

Low Insertion Loss and VSWR

Wireless Application

DESCRIPTION The C5033 PCS and Wireless Lowpass Filter passes the 1300 to 1600 MHz passband while providing greater than 40 dB rejection to all harmonics in the 3.7 to 16 GHz band.

ADVANTAGES The Microphase designed and engineered C5033-2 and C5033-3 Lowpass Filters provide excellent frequency flatness, with extremely low insertion loss and VSWR. You get excellent electrical performance, environmental stability and mechanical reliability. All of our products are 100% tested, fully productized and readily available. This component can be designed to your specifications.

SPECIFICATIONS

Frequency Range –Tx	1300 - 2600 MHz
Insertion Loss	0.25 dB
Rejection 3.7 - 16.0 GHz	40 dB
Power Handling	100 watts*
IN Impedance	50 Ohms
OUT Impedance	50 Ohms
VSWR	1.3:1
Passband Ripple	± 0.05 dB
Operating Temperature	-30° C to +70 C

*With suitable heat sink

DIMENSIONS	CONNECTORS	SIZE
C5033-2	SMA female	0.25" Dia. x 3.4" L
C5033-3	Pins	0.19" Dia. x 2.85" L

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Diplexer

C5243
3.5 GHz for WiMAX Applications

Electrical specifications available upon request.
Please contact Microphase for your specific needs.

Wireless Application

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