

MFBP-00061CSP3

Passive GaAs MMIC 17.8 - 20.2 GHz Bandpass Filter

DEVICE OVERVIEW

General Description

The MFBP-00061CSP3 passive MMIC surface mount bandpass filter is an ideal solution for small form factor, high rejection filtering. Passive GaAs MMIC technology allows production of smaller filter constructions that replace larger form factor circuit board constructions. Tight fabrication tolerances allow for less unit-to-unit variation than traditional filter technologies. The MFBP-00061CSP3 is available as a 3.5 mm CSP3. Low unit to unit variation allows for accurate simulations using the provided S2P file taken from measured production units.



[Download s-parameters here](#)

Features

- Excellent Return Loss
- High Stop Band Suppression
- Wide Stop Band with Fast Roll-Off
- This product embodies Marki Microwave's U.S. Pat. 11,869,858.

Applications

N/A

Functional Block Diagram



Part Ordering Options

Part Number	Description	Package	Green Status	Product Lifecycle	Export Classification
MFBP-00061CSP3	Passive GaAs MMIC 17.8 - 20.2 GHz Bandpass Filter	CSP3	RoHS REACH	Pre-release	EAR99

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Revision History

Revision Code	Revision Date	Comment
G0	2024-04-22	Pre-Release

Port Configuration and Functions

Port Functions

Port	Function	Description	Equivalent Circuit for Package
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PRE-RELEASE

Specifications

Absolute Maximum Ratings

The Absolute Maximum Ratings indicate limits beyond which damage may occur to the device. If these limits are exceeded, the device may be inoperable or have a reduced lifetime.

Parameter	Maximum Rating	Unit
Maximum Operating Temperature	100	°C
Maximum Storage Temperature	125	°C
Minimum Operating Temperature	-55	°C
Minimum Storage Temperature	-65	°C

Package Information

Parameter	Details	Rating
Dimensions	-	3.50 x 3.50 mm
Moisture Sensitivity Level	-	MSL 3

PRE-RELEASE

MFBP-00061CSP3

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