Bandpass Filter · 144–216 MHz

Plan the surface-mount clearance for ±0.2 mm on both body length and width and a separate 5 mm maximum height.

RF Performance

Parameter	Value
Passband	144–216 MHz
Passband Insertion Loss [1]	≤ 3.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–110 MHz	≥ 60 dBc
Out-of-Band Rejection · 260–1000 MHz	≥ 60 dBc
Shape factor [2]	≤ 2.5
VSWR [1]	≤ 1.50

[1] 144–216 MHz

[2] BW–60 dB / BW–3 dB

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	2 W
Operating Temperature	−40...+75 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	Surface mount
RF Impedance	50 Ω
Housing footprint	20.4 × 10 mm (Length and width tolerance ±0.2 mm each)
Maximum side-view envelope	≤ 5 mm

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid.

Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.