



5250IF

5200I C-Band Single Band PLL LNB

L.O Stability: 25: ± 250 kHz

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

| | |
|-------------------------|-----------------|
| Band | C-Band |
| Input Frequency Band 1 | 4.50 - 4.80 GHz |
| LO Frequency 1 | 5.95 GHz |
| LO Stability | ± 250 kHz |
| LO Type | PLL |
| Noise Figure Max | 30K |
| Noise Figure Typ | 25K |
| Number Of Onboard Los | Single-Band |
| Output Frequency Band 1 | 1150 - 1450 MHz |

RF SPECIFICATIONS

| | |
|--------------------------------|----------------------|
| Conversion Gain Max | 70 dB |
| Conversion Gain Min | 55 dB |
| Conversion Gain Typ | 60 dB |
| Gain Flatness (over Full Band) | ≤ 5 dB p-p max. |
| Input VSWR | 2.5 : 1 max. |
| Output P1db | + 5 dBm min. |
| Output VSWR | 2.5 : 1 max. |
| Phase Noise 1khz Offset Max | -65 dBc/Hz |
| Phase Noise 10khz Offset Max | -80 dBc/Hz |
| Phase Noise 100khz Offset Max | -95 dBc/Hz |

ELECTRICAL SPECIFICATIONS

| | |
|---------------------|----------------|
| Current Consumption | 250 mA max. |
| Power Requirements | +12 to +24V DC |

INTERFACE SPECIFICATIONS

| | |
|--------------|-------------|
| IF Connector | F-Connector |
|--------------|-------------|



RF Input Connector

CPR 229G waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

| | |
|-------------------------|----------------|
| IP Rating | IP 67 |
| Temperature Operational | -40°C to +60°C |
| Temperature Storage | -50 to +70°C |

PHYSICAL SPECIFICATIONS

| | |
|----------------|----------|
| Product Height | 70 mm |
| Product Length | 179 mm |
| Product Weight | 0.575 kg |
| Product Width | 99 mm |

LOGISTICS SPECIFICATIONS

| HS Code | Country of Origin | Ex Works | ECCN Number | Unit Package |
|------------|-------------------------------|----------------------|-------------|------------------------------|
| 8517690000 | Made in the Republic of Korea | Richmond, BC, Canada | EAR99 | 180 x 102 x 71 mm 0.575 kg |

HOW TO ORDER

5250IF



MECHANICAL DIAGRAMS

