The model 1205-1118 is specifically designed for operation as an 80MHz acousto-optic frequency-shifter.

**FEATURES**
- Small Size
- Low Drive Power
- Good Temperature Stability

**SPECIFICATIONS**

- **Interaction Material:** Lead Molybdate (PbMoO₄)
- **Active Aperture:** 2mm
- **Center Frequency:** 80MHz
- **Input Impedance:** 50 Ohms
- **VSWR:** <1.5:1 @ 80MHz
- **Wavelength (nm):**
  - 488
  - 532
  - 633
  - 830
- **RF Drive Power, 1205C-2 (W):**
  - ~0.5
  - ~0.6
  - ~1.0
  - 1.0 max
- **Bragg angle (mrad):**
  - 5.4
  - 5.9
  - 7.0
  - 9.1
- **Beam Separation (mrad):**
  - 10.7
  - 11.7
  - 13.9
  - 18.3
- **Diffraction efficiency (%):**
  - >85
  - >85
  - >85
  - >75
- **Static Insertion Loss (%):**
  - <5
  - <3
  - <3

**DRIVERS**
- Model 522C-L (Digital)
- Model 532C-L (Analog)