



Features

- ▶ **Metal lid can be grounded to minimise EMI**
- ▶ **Seam seal for excellent long-term stability**
- ▶ **Frequencies up to 160MHz**
- ▶ **Tight specifications available**

Standard Frequencies

| Fundamental in MHz | | | 3rd Overtone |
|--------------------|-----------|-----------|--------------|
| 10.000000 | 16.588800 | 29.491200 | 36.000000 |
| 11.059200 | 18.432000 | 30.000000 | 40.000000 |
| 12.000000 | 19.660800 | 32.000000 | 40.320000 |
| 14.318180 | 20.000000 | 33.868800 | 50.000000 |
| 14.745600 | 24.000000 | 35.251200 | 64.000000 |
| 15.000000 | 24.000140 | 36.000000 | 66.666000 |
| 16.000000 | 24.576000 | 40.000000 | |
| 16.000312 | 25.000000 | | |

Temperature Stability

The table shows available combinations of stability (in ppm) and temperature range.

| | ±20 | ±15 | ±10 | ±7.5 | ±5 |
|--------------|-----|-----|-----|------|----|
| 0 to +50°C | • | • | • | • | • |
| -10 to +60°C | • | • | • | • | • |
| -20 to +70°C | • | • | • | • | - |
| -30 to +80°C | • | • | - | - | - |
| -40 to +85°C | • | - | - | - | - |

Specifications

| Parameters | Product | Option Codes |
|---|---|---------------------------------------|
| | GSX-751 | |
| Frequency range: 8.0 ~ 160MHz | ■ | |
| Calibration tolerance: ±5ppm ±7.5ppm ±10ppm ±20ppm Other values | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | L M 1 2 specify |
| Temperature stability: ±5ppm ±7.5ppm ±10ppm ±15ppm ±20ppm Other values | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | L M 1 P 2 specify |
| Operating temperature range: 0 to +50°C -10 to +60°C -20 to +70°C -30 to +80°C -40 to +85°C Other values | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 0 1 2 3 4 specify |
| Circuit condition: 12pF 16pF 18pF 20pF 30pF Series resonant Other values | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | B D E F J S specify |
| Oscillation mode: Fundamental (8.0 ~ 40.0MHz) 3rd overtone (30.0 ~ 100MHz) 5th overtone (90.0 ~ 160MHz) | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | F 3 5 |
| Static capacitance (C₀): 7pF max | ■ | |
| Equivalent series resistance (max): 60Ω (8.0 ~ 9.9MHz) 40Ω (10.0 ~ 14.9MHz) 30Ω (15.0 ~ 40.0MHz, fund) 80Ω (30.0 ~ 100.0MHz, 3rd OT) 120Ω (90.0 ~ 160MHz, 5th OT) | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | |
| Ageing: ±1 ppm max first year | ■ | |
| Test drive level: 100µW | ■ | |
| Soldering condition: 240°C, 10 sec x2 max | ■ | |

■ Standard. □ Optional - Please specify required code(s) when ordering

Ordering Information

Product name + option codes + frequency

eg: **GSX-751/111DF 14.31818MHz** 10/10/10/16-F

GSX-751/LP2S 36.0MHz 05/15/20/SR-3

Option code X (eg GSX-751/X) denotes a custom specification.

◆ Available on T&R - 3k pcs per reel.

◆ Refer to our website for T&R and soldering details.