



Scale 2:1

Features

- ▶ **Metal lid can be grounded to minimise EMI**
- ▶ **Seam seal for excellent long-term stability**
- ▶ **Frequencies up to 100MHz**
- ▶ **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:	6.0 ~ 100MHz	■
Calibration tolerance:	±5ppm ±7.5ppm ±10ppm ±20ppm Other values	□ □ ■ □ □ specify
Temperature stability:	±5ppm ±7.5ppm ±10ppm ±15ppm ±20ppm Other values	□ □ ■ □ □ □ 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	□ ■ □ □ □ □ specify
Circuit condition:	12pF 16pF 18pF 20pF 30pF Series resonant Other values	□ ■ □ □ □ □ □ specify
Oscillation mode:	Fundamental (6.0 ~ 40.0MHz) 3rd overtone (30.0 ~ 100MHz)	■ ■ F 3
Static capacitance (C ₀):	5pF max	■
Equivalent series resistance (max):	80Ω (6.0 ~ 7.9MHz) 60Ω (8.0 ~ 9.9MHz) 40Ω (10.0 ~ 14.9MHz) 30Ω (15.0 ~ 40.0MHz, fund) 80Ω (30.0 ~ 100.0MHz, 3rd OT)	■ ■ ■ ■ ■
Ageing:	±3ppm max first year ±1ppm max first year	■ □ specify
Test drive level:	100µW max	■
Soldering condition:	260°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 - 1k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.