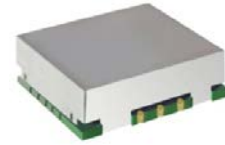


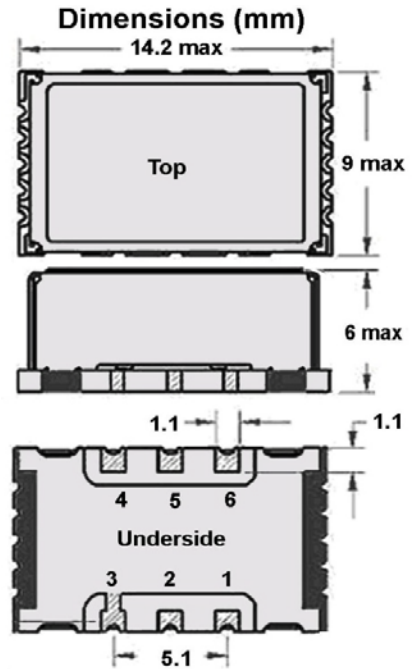
ACT SMPT-6 Stratum III HCMOS TCXO



- Stability: $\pm 0.14, \pm 0.28$ ppm
- Accuracy: ± 0.5 ppm
- Operating Current: 2 ~ 4 mA max

Characteristics

Frequency Range (MHz)	10 ~ 40		
Supply voltage $\pm 5\%$ Vcc (V _{DC})	3.3		
Operating temperature Top (°C)	Table 1		
Operating Current (mA max)	2 ~ 4		
Stability v T op (ppm)	Table 1		
Stability v Vcc (ppm)	± 0.1 max (5%)		
Stability v Load (ppm)	± 0.1 max (10%)		
Stability v Vibration (ppm)	± 1.0 max (Sine 10~50Hz, 0.75mm, 1.5hr XY&Z)		
Stability v Shock (ppm)	± 1.0 max (100g ^{1/2} sine x3 x6 directions)		
Aging @25°C (ppm)	± 0.5 /yr, ± 2.5 /10 yr		
Tolerance @ 25°C (ppm)	± 0.5 at shipment		
Load $\pm 10\%$	HCMOS 15pF		
Output voltage (V)	V _{OL} : 10%Vcc max, V _{OH} : 90%Vcc min		
Duty Cycle (%)	45/55		
Phase Noise (dBc/Hz)	12.8MHz	20MHz	
Typical plots: Page 2	10Hz	-90	-80
	100Hz	-115	-110
	1kHz	-135	-130
	10kHz	-150	-150
	100kHz	-150	-150



Pad 1	Function NC	Pad 4	Function Output
Pad 2	Function Output Enable	Pad 5	Function NC
Pad 3	Function Ground	Pad 6	Function Vcc

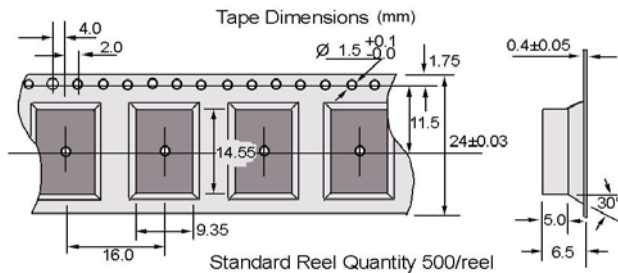
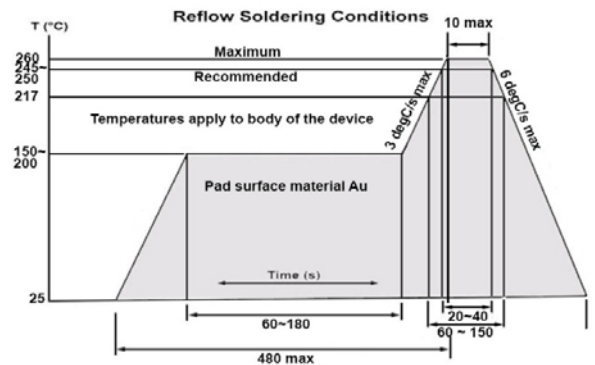
Rating

Storage	-55~+125°C, 10~90%RH, 70~100kPa Air pressure
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Notes:

- ESD sensitive, take appropriate precautions.
- Stratum III
- Enquire if the frequency required has been developed.

Temp'	± 0.14	± 0.28
-10 +60°C	✓	✓
-20 +70°C	✓	✓
-40 +85°C		✓



Please note that all parameters can not necessarily be specified in the same device.
 To specify: Please refer to part numbering system appended to the end of this data
ISO9001 Registered

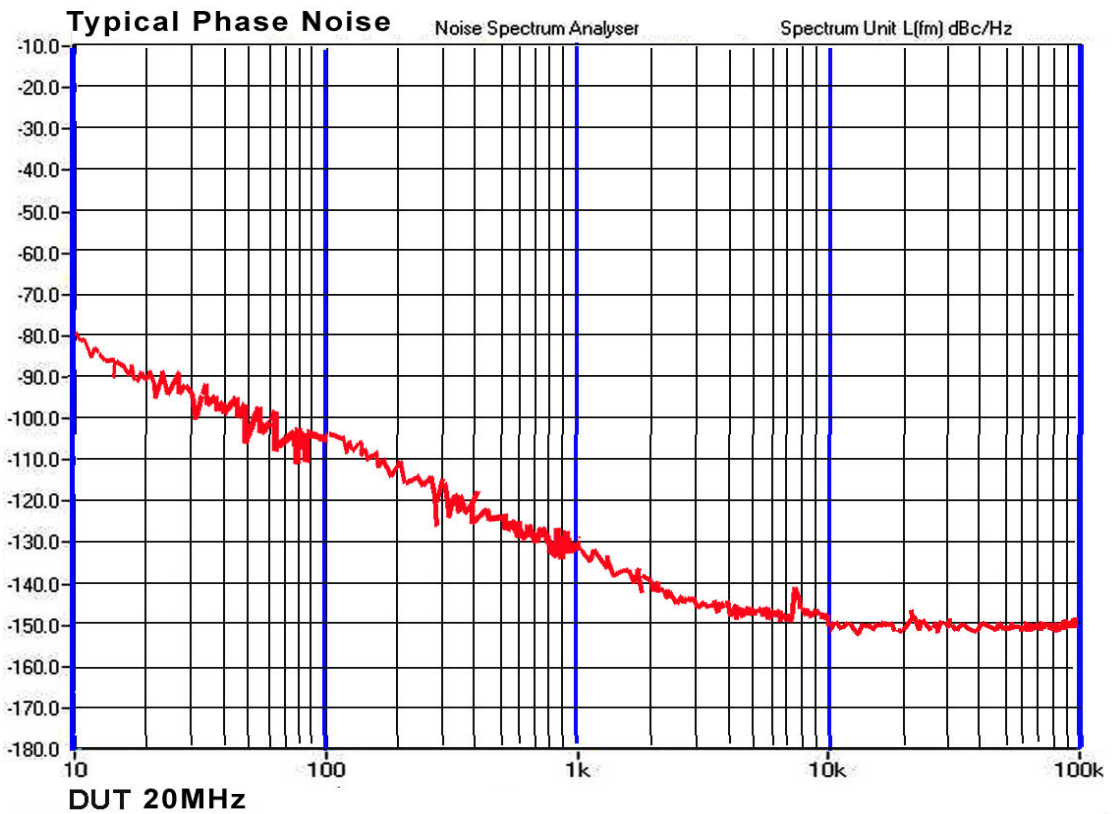
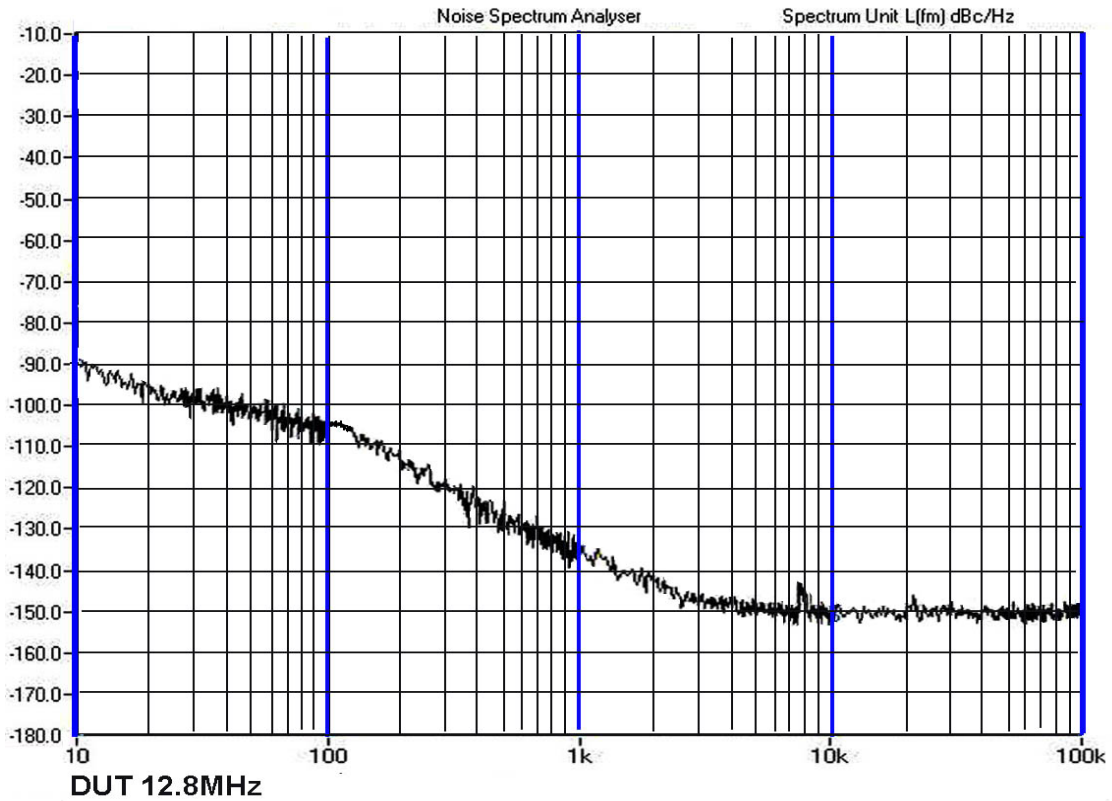
For quotations or further information please contact us at:
 3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY
 Issue No. 4 T3 Date:

SMPT-6



Tel: 0044(0)118 979 1238
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08/10/2013

