

## SINE WAVE SURFACE MOUNT PXO DFN S8-MLS (3.3 V)

### KEY FEATURES

**300 to 500 MHz**  
**± 20 ppm/15 years stability available**  
**Analogue frequency multiplication**

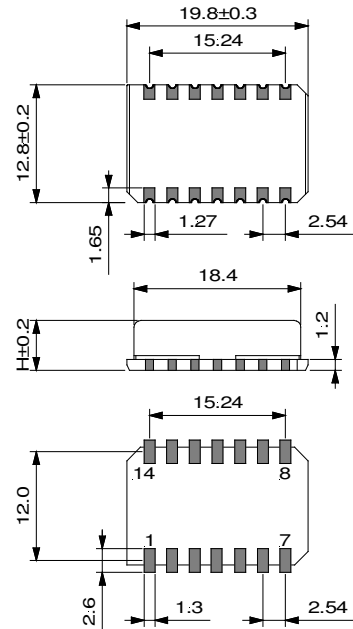
### APPLICATIONS

**Microwave transmissions**

| Function | DFN S8           |
|----------|------------------|
| N/C      | 1,2,6,9,13       |
| GND      | 3,4,5,7,10,11,12 |
| Output   | 8                |
| Vcc      | 14               |

H = 5.50 mm

PC board footprint



| TYPE            | DFN S8-MLS     |
|-----------------|----------------|
| Frequency Range | 300 to 500 MHz |

| ELECTRICAL SPECIFICATIONS           |                          |
|-------------------------------------|--------------------------|
| supply voltage                      | 3.3 V ± 5 %              |
| supply current (no load)            | ≤ 30 mA                  |
| output load                         | Sine wave, 50 Ω ± 10 %   |
| output amplitude                    | ≥ 3 dBm                  |
| subharmonics and spurious harmonics | ≤ - 40 dBc<br>≤ - 20 dBc |
| start up                            | ≤ 10 ms @ 3.15 V         |

| FREQUENCY STABILITY |   | stability [ ppm ] and temperature code |      |           |      |           |      |           |       |
|---------------------|---|--|------|-----------|------|-----------|------|-----------|-------|
| types               | temperature range   | stability                              | code | stability | code | stability | code | stability | code  |
| all types           | 0 to 70 °C  | ± 20                                   | XB20 | ± 25      | XB25 | ± 50      | XB50 | ± 100     | XB100 |
|                     | -40 to 85 °C  | ± 25                                   | XE25 | ± 50      | XE50 | ± 75      | XE75 | ± 100     | XE100 |
| remark              | includes calibration at 25 °C, temperature, ageing, Vcc and load changes 1 <sup>st</sup> year |  |      |           |      |           |      |           |       |

| OPTIONS                       |             |              |              |
|-------------------------------|-------------|--------------|--------------|
| stability over long life time | A = 5 years | B = 10 years | C = 15 years |

| ORDERING CODE | type + option code + frequency + stability / temperature code |
|---------------|---|
| Example       | DFN S8-MLS 500 MHz XB20                                       |

| REMARK | Please consult factory for life time/stabilities possible combinations |
|--------|--|
|--------|--|