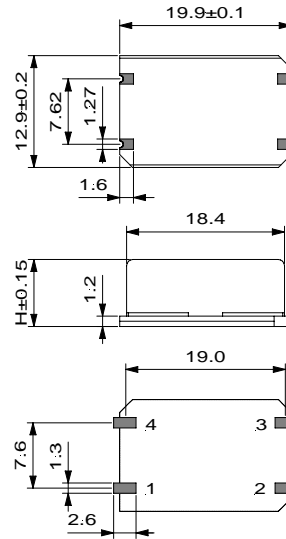


HIGH FREQUENCY SMD SINE WAVE VCXO DFV S7-S / MS

KEY FEATURES
16 to 160 MHz
Encapsulated crystal
Analogue multiplication
APPLICATIONS
SDH/Sonet/Microwave transmissions

Function	DFV S7-S/MS
V control	1
GND	2
Output	3
Vcc	4

H = 9.30 mm



PC board footprint

TYPE	DFV S7-S	DFV S7-MS
Frequency Range	16 to 40 MHz	40 to 160 MHz

ELECTRICAL SPECIFICATIONS	DFV S7-S	DFV S7-MS
supply voltage	5 V ± 5 %	5 V ± 5 %
supply current (no load)	≤ 50 mA	≤ 50 mA
output load	Sine 50 Ω ± 10 %	Sine 50 Ω ± 10 %
output amplitude	≥ 0 dBm	≥ 0 dBm
subharmonics and spurious harmonics	≤ -20 dBc	≤ -40 dBc ≤ -20 dBc
start up	≤ 20 ms @ 4.75 V	≤ 20 ms @ 4.75 V

FREQUENCY STABILITY			detailed tolerances [ppm]						
type	temperature range	model code	stability versus:				pulling range positive function	control voltage	
			temp.	@ 25°C	Vcc	load	ageing		
DFV S7-MS	0 to 70°C	100B15	≤ ± 15	≤ ± 10	≤ ± 3	≤ ± 1	≤ ± 2	≥ ± 100	2.5 V ± 2 V
		100B25	≤ ± 25						
	-40 to 85°C	100E25	≤ ± 25						
		100E50	≤ ± 50						
remarks			linearity ± 10%						
			input impedance ≥ 10 kΩ						
			modulation bandwidth ≥ 10 kHz @ -3 dB						
			ageing is 1 st year at 25°C						

ORDERING CODE	type + frequency + temperature code
Example	DFV S7-MS 155.520 MHz 100B15