

DW9509/10 & DW9515/16 & DW9528 & DW9558

FIXED FREQUENCY SAW RESONATOR OSCILLATORS

These oscillators utilise SAW resonator technology to realise UHF sources with excellent phase noise close to carries. The use of thick film circuitry results in a compact design of rugged construction.

This series can be provided to a range of setting accuracies, depending on the option selected.

FEATURES

- Compact Design
- VHF Sources
- Excellent Phase Noise
- Custom Frequencies Available

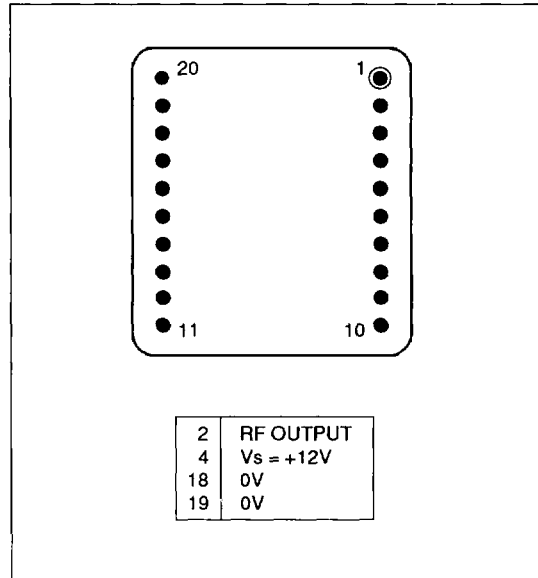


Figure 1: Pin Connections - Pin Side

DW9509/10/15/16/28/58

ELECTRICAL SPECIFICATION

Limiting Conditions of Use:

Maximum Input Voltage	+15V Max
Tamb Ambient Operating Temp Range	-40°C to +85°C
Tstg Storage Temperature Range	-55°C to +125°C

Characteristics @ -40°C to +85°C unless otherwise stated

Characteristics	Value	Unit	
Centre Frequency:	DW9558	500	MHz
	DW9509	555.5	MHz
	DW9510	695	MHz
	DW9515	609.2	MHz
	DW9516	650.6	MHz
	DW9528	725	MHz
Setting Accuracy:	Option 1	±125	ppm
	Option 2	±250	ppm
	Option 3	±500	ppm
Output Power:	Min	6	dBm
	Max	10	dBm
Supply Voltage	12	V	
Supply Current	65	mA Max	
Output Impedance	50	Ω Nom	
Harmonics	<-15	dBc	
Spurii	<-100	dBc	

PACKAGE DETAILS All dimensions in mm (inches)

