

Leaf Temperature

IM522CD



IM522CD is a highly accurate temperature sensor. It measures the radiated temperature around the surface of a leaf or a canopy.

Sensor	SMT160-30
Supply voltage	4.57 - 7 V
Supply current	max. 200 μ A
Short circuit protection	infinite (within supply voltage range)
Short circuit supply current	max. 40 mA
Operating temp. range	-30°C to +99°C
Accuracy	min. 0.3°C (-30°C to +99°C)
Calibration error	max. 0.25°C (23°C)
Nonlinearity error	max. 0.2°C
Supply voltage sensitivity	max. 0.1°C/V
Repeatability	max. 0.2°C
Long term drift	max. 0.1°C
Output frequency	1 to 4 kHz
Duty cycle	0.320 (0° C), 0.00470°/ C
Evaluation	Analog
Cable length	5 m
Part.no. IM522CD	Single leaf temperature sensor

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LWN530