

- **Ideal Front-End Filter for European Wireless Receivers**
- **Low-Loss, Coupled-Resonator Quartz Design**
- **Simple External Impedance Matching**
- **Rugged, Hermetic, Low Profile TO-39 Package**

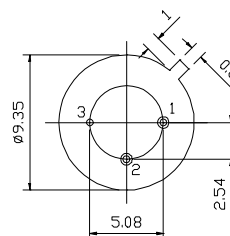
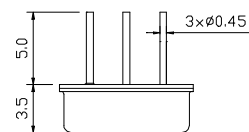
SF433

Absolute Maximum Rating (Ta=25°C)		
Parameter	Rating	Unit
CW RF Power Dissipation	+ 0	dBm
DC Voltage Vdc	± 30	V
Operating Temperature Range	-10 ~ +65	°C
Storage Temperature Range	-35 ~ +85	°C

Specifications						
Parameter		Sym	Minimum	Typical	Maximum	Unit
Frequency (25°C)	Nominal Frequency	fc	NS	433.920	NS	MHz
	Tolerance from 433.920 MHz	Δfc	-	±75	-	KHz
Insertion Loss		IL	-	3.0	5.0	dB
3dB Bandwidth		BW3	-	600	-	KHz
Temperature Stability	Turnover Temperature	To	15	25	35	°C
	Turnover Frequency	fo	-	Fc+2.7	-	KHz
	Frequency Temperature Coefficient	FTC	-	0.037	-	ppm/°C
Frequency Aging	Absolute Value during the First Year	fA	-	-	10	ppm/yr
DC Insulation Resistance Between any Two Pins		-	1.0	-	-	MΩ
Attenuation	fc – 21.4MHz (Image)	-	40	50	-	dB
	Fc – 10.7MHz (LO)	-	15	30	-	dB
	Ultimate	-	-	80	-	dB

NS = Not Specified

Notes	Package Outline (TO-39-3)
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may be calculated from : $f = f_c [1 - FTC(T_o - T_c)^2]$.

Pin	Connection
1	Input/Output
2	Output/Input
3	Ground

All dimensions are in mm