

Standard

- B/G-CCIR
Germany, Europe partly

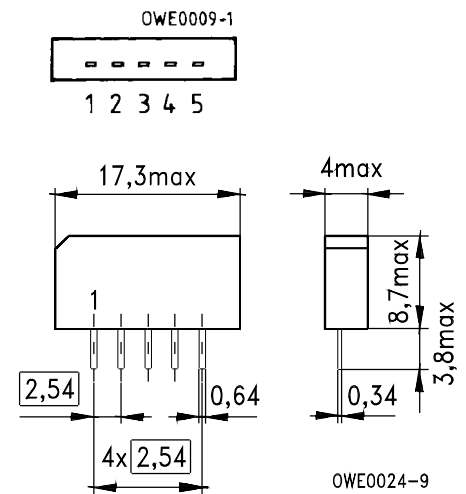
Features

- TV IF filter with Nyquist slope and sound shelf
- Highly reduced group delay predistortion as compared with standard B/G, half
- Suitable for CENELEC EN 55020

Terminals

- Tinned CuFe alloy

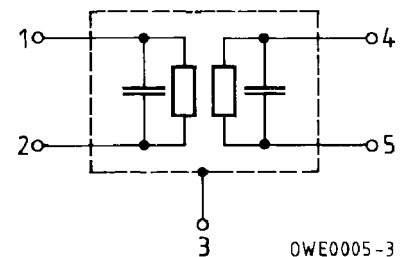
Plastic package **SIP 5 K**



Dimensions in mm, approx. weight 1,0 g

Pin configuration

- 1 Input
- 2 Input – ground
- 3 Chip carrier – ground
- 4 Output
- 5 Output



Type	Ordering code	Marking
G 1962 M	B39389-G1962-M100	Type, date code, pin 1

Maximum ratings

Ambient temperature	T_A	- 25/+ 65	°C	—
Storage temperature	T_{stg}	- 25/+ 85	°C	—
DC voltage	V_{DC}	12	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals

G 1962 M

38,90 MHz

Characteristics

Ambient temperature	$T_A = 25\text{ °C}$
Source impedance	$Z_S = 50\ \Omega$
Load impedance	$Z_L = 2\text{ k}\Omega \parallel 3\text{ pF}$

				min.	typ.	max.	
Insertion attenuation							
Reference level for the following data	37,40 MHz	α		13,5	15,1	16,5	dB
Relative attenuation							
Picture carrier	38,90 MHz	α_{rel}		4,9	5,9	6,9	dB
Color carrier	34,47 MHz			1,3	2,3	3,3	dB
Sound carrier	33,40 MHz			18,5	19,5	20,5	dB
Adjacent picture carrier	UHF	30,90 MHz		46,0	52,0	—	dB
	VHF	31,90 MHz		48,0	54,0	—	dB
		31,40 MHz		46,0	52,0	—	dB
		32,40 MHz		48,0	56,0	—	dB
Adjacent sound carrier		40,15 MHz		42,0	49,0	—	dB
	VHF	40,40 MHz		46,0	58,0	—	dB
	UHF	41,40 MHz		42,0	52,0	—	dB
Lower sidelobe	25,00 ... 31,40 MHz		42,0	47,0	—	dB	
Upper sidelobe	40,40 ... 45,00 MHz		38,0	43,0	—	dB	
Reflected wave signal suppression							
1,3 μ s ... 6,0 μ s after main pulse (test pulse: 250 ns, carrier frequency: 37,40 MHz)				44,0	54,0	—	dB
Feedthrough signal suppression							
1,3 μ s ... 1,2 μ s before main pulse (test pulse: 250 ns, carrier frequency: 37,40 MHz)				50,0	56,0	—	dB
Group delay predistortion							
(reference frequency 38,90 MHz)							
	36,90 MHz	$\Delta\tau$		—	-70	—	ns
	34,47 MHz			—	30	—	ns
Impedance at 37,40 MHz							
Input: $Z_{IN} = R_{IN} \parallel C_{IN}$				—	2,2 \parallel 13,3	—	k Ω \parallel pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$				—	1,4 \parallel 4,7	—	k Ω \parallel pF
Temperature coefficient of frequency							
TC_f				—	-72	—	ppm/K

Frequency response

