muRata
Innovator in Electronics

NFM61R Series

The T-type chip, NFM61R/RH, is a 3 terminal capacitor capable of carrying the large currents (2A) required for use in DC power circuits. This chip series consists of a T-type filter circuit incorporating a ferrite bead inductor for the purpose of suppressing undesirable oscillation. The heavy duty NFM61RH is an improved version of the filter for use in harsh operating conditions.

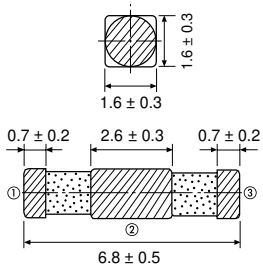
APPLICATIONS

- Switching power supplies
- Excellent high frequency noise suppression
- High current applications

PART NUMBERING SYSTEM

NFM61R	10	T	102	T1
CHIP EMI FILTER SERIES	CLASS NO.	CIRCUIT STYLE	CAPACITANCE	PACKAGING CODE T1 = Tape B1 = Bulk

SPECIFICATIONS

Dimensions: mm	Part Number	Capacitance	Rated Voltage	Rated Current (A)	Insulation Resistance (Ohms min.)	Operating Temp. Range
2606  ① Input (Output) Terminal ② Ground Terminal ③ Output (Input) Terminal	★NFM61R00T330	33pF ± 30%	50VDC	2	1000M	–25C° ~ + 85°C
	★NFM61R00T680	68pF ± 30%				
	★NFM61R00T101	100pF ± 30%				
	★NFM61R00T181	180pF ± 30%				
	★NFM61R00T361	360pF ± 20%				
	★NFM61R00T681	680pF ± 30%				
	★NFM61R10T102	1000pF ± $^{80}_{20}$%				
	★NFM61R30T472	4700pF ± $^{80}_{20}$%				
	★NFM61RH00T330	33pF ± 30%	100VDC	2	1000M	–55C° ~ + 125°C
	★NFM61RH00T680	68pF ± 30%				
	★NFM61RH00T101	100pF ± 30%				
	★NFM61RH00T181	180pF ± 30%				
	★NFM61RH00T361	360pF ± 20%				
	★NFM61RH00T681	680pF ± 30%				
	★NFM61RH10T102	1000pF ± $^{80}_{20}$%				
	★NFM61RH20T332	3300pF ± $^{80}_{20}$%				

Note: NFM61RH20T332 is specially adapted for reflow soldering. The flow soldering method should not be used.
★Available as standard through authorized Murata Electronics Distributors.

TYPICAL INSERTION LOSS CHARACTERISTICS

NFM61R/H Series