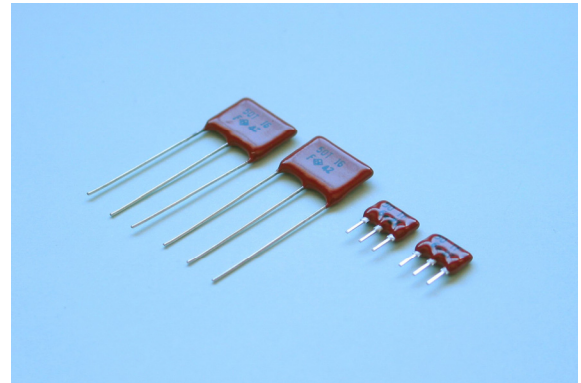


VHF/UHF THROUGH-HOLE ATTENUATORS

RFA-50T, RFA-75,  
RFA-300, RFA-600



Features and Applications

RF attenuators with 50Ω, 75Ω, 300Ω and 600Ω characteristic impedance and T,  $\square$ ,  $\pi$ , H schematic. For through hole applications. SIP and DIP. Long life and temperature stability a result of Ni-Cr thin film and alumina substrates. RFA series useful in isolation circuits, data transmission, mobile, RF applications and measurements

Specifications and Performances

Model	Type	Impedance	Attenuation	Frequency	Rate Power
RFA-50TF	T-SIP 2.54pitch leads	50Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30 dB	DC-100MHz	0.25W
RFA-75TF	T-SIP 2.54pitch leads	75Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30 dB	DC-100MHz	0.25W
RFA-300TF	T-SIP 2.54pitch leads	300Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30 dB	DC-100MHz	0.25W
RFA-600TF	T-SIP 2.54pitch leads	600Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30 dB	DC-100MHz	0.25W
RFA-50T	T-SIP 5.0pitch leads	50Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-100MHz	0.50W
RFA-75T	T-SIP 5.0pitch leads	75Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-100MHz	0.50W
RFA-300T	T-SIP 5.0pitch leads	300Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-100MHz	0.50W
RFA-600T	T-SIP 5.0pitch leads	600Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-100MHz	0.50W
RFA-50TS	T-DIP leads	50Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-100MHz	0.50W
RFA-300B	B-pai-DIP leads	75Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-100MHz	0.50W
RFA-600B	B-pai-DIP leads	300Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-100MHz	0.50W
RFA-85FD	T-DIP 2.54pitch leads	50Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-200MHz	0.50W
RFA-85FC	T-DIP 2.54pitch leads	75Ω	1,2,3,4,5,6,7,8,9,10,16, 20,30,40 dB	DC-200MHz	0.50W

Items	RFA-50, RFA-75, RFA-300, RFA-600, RFA-85F	Test Condition
Tolerance of Impedance	±1%(F)	Input dc resistance in terminating output port with precision resistor.
Tolerance of Attenuation	±1%	Output dc volt in terminating output port with precision resistor when 1V stable dc source connect to input port.
TCR, Characteristic Impedance	±50ppm/K	TC of input DC resistance in terminating output port with precision resistor
TCR of Attenuation	±50ppm/K	Output dc volt TC in terminating output port with precision resistor when 1V stable dc source connect to input port.
Soldering Heat	±1%	350C, 3 seconds, dipping
Solderability	75% Covered	350C, 3 seconds, dipping
Humidity	±1%	40C,-95%RH, DC0.1W, 1000H
Load Life	±1%	70C, 90minON, 30minOFF, 100H

VHF/UHF THROUGH-HOLE ATTENUATORS  
RFA-50, RFA-75, RFA-300, RFA-600

Dimensions

RFA-50TF, RFA75TF, RFA-300TF, RFA-600TF

Symbol	mm
A	8.0max
B	7.0
C	3.0max
D	2.54
E	0.6
F	0.5
G	3.3

RFA-50T, RFA75T, RFA-300T, RFA-600T

Symbol	mm
A	12.5max
B	11.5max
C	3.0max
D	5.0
E	0.5 φ
F	-
G	10

RFA-50B, RFA-75B, RFA-300B, RFA-600B

Symbol	mm
A	10.5max
B	7.0
C	3.0max
D	4.0
E	0.5
F	-
G	10.0

RFA-85FD, RFA-85FC

Symbol	mm
A	9.0max
B	6.0max
C	3.5max
D	2.54
E	0.6
F	9.0
G	3.3
H	0.5

RFA-50TS, RFA75TS, RFA-300TS, RFA-600TS

Symbol	mm
A	12.5max
B	11.5max
C	3.0max
D	10.0
E	φ0.5
F	-
G	10.

Equivalent Circuit of attenuator

Unbalance T

Unbalance PAI

Balanced T

Balanced PAI

Ordering Information

P/N	Type and Impedance	Attenuation	Impedance Tolerance	Code
RFA-50T6dBZF00	RFA-50TF	-6dB	1%(F)	Z00 Lead-free
RFA-75T12dBZF00	RFA-75TF	-12dB	1%(F)	Z00 Lead-free
RFA-600T20dBZF00	RFA-600TF	-20dB	1%(F)	Z00 Lead-free

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