



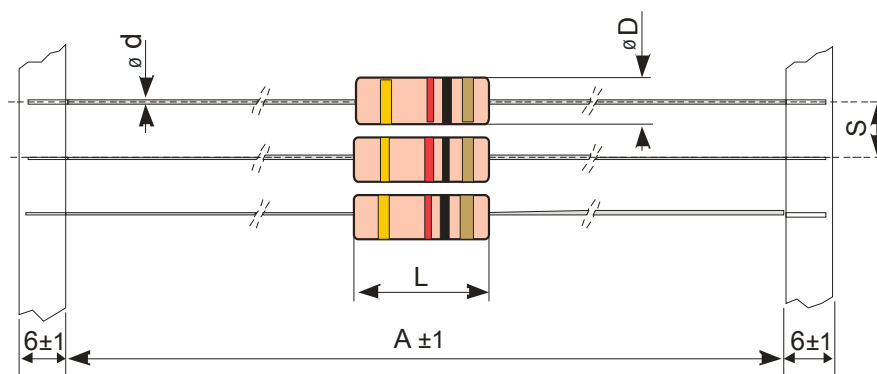
Power Metal film resistors

Flame retardant

Specifications

Type		PF0207	PF0410	PF0516	PF0818
Style		0207	0410	0516	0818
Nominal Power rating P_{70}	W	1	2	3	4
Resistance range	Ω	0R1 ... 10M (1% tol. From 1R)			
E-series		E24 ; E96			
Tolerances	%	5% ; 1%			
Temperature coefficient	$10^{-6} \cdot K^{-1}$	± 100 (± 50 for tol. 1% on request)			
Max. cont. working voltage	V_{RMS}	350	500	750	750
Insulation voltage (1min.)	V_{RMS}	500	500	500	500
Insulation resistance	Ω	$> 10^4$			
Derating linear	$^{\circ}C$	70 ... 250 (0W)			
Climatic category		55 / 200 / 56			
Temperature range	$^{\circ}C$	- 55 ... 200	- 55 ... 230	- 55 ... 240	- 55 ... 250
Thermal resistance	KW^{-1}	130	80	55	50
Failure Rate (Total ϑ_0 max, 60% conf. lev.)	$10^{-9} h^{-1}$	< 1			
Endurance (P_{70} , @ 70 $^{\circ}C$, 1000h intem.)	$[\Delta R/R] \%$	± 2			
Damp heat, steady state (40 $^{\circ}C$, 93% r.h., 56d)	$[\Delta R/R] \%$	± 2			
Climatic sequence	$[\Delta R/R] \%$	± 2			
Terminal Strength	$[\Delta R/R] \%$	$\pm 0,2$			
Terminal tensile Strength	N	30			
Resistance to soldering heat (350 $^{\circ}C$, 3s.)	$[\Delta R/R] \%$	$\pm 0,25 + R05$			
Solderability	S	2,5 Flowtime, solderglobule test, IEC 60068-2-20-T			
Marking		Colour code 4 bands (1% tol.: 5 bands)			

Dimensions in mm:



Type	L	$\varnothing D$	$\varnothing d$	A	S
PF0207	$6,3 \pm 0,5$	$2,4 \pm 0,2$	0,6	52,4	5
PF0410	$9,0 \pm 0,5$	$3,9 \pm 0,3$	0,6	52,4	5
PF0516	$15,5 \pm 1,0$	$5,0 \pm 0,5$	0,8	73,0	10
PF0818	$17,0 \pm 1,0$	$7,5 \pm 0,5$	0,8	73,0	10

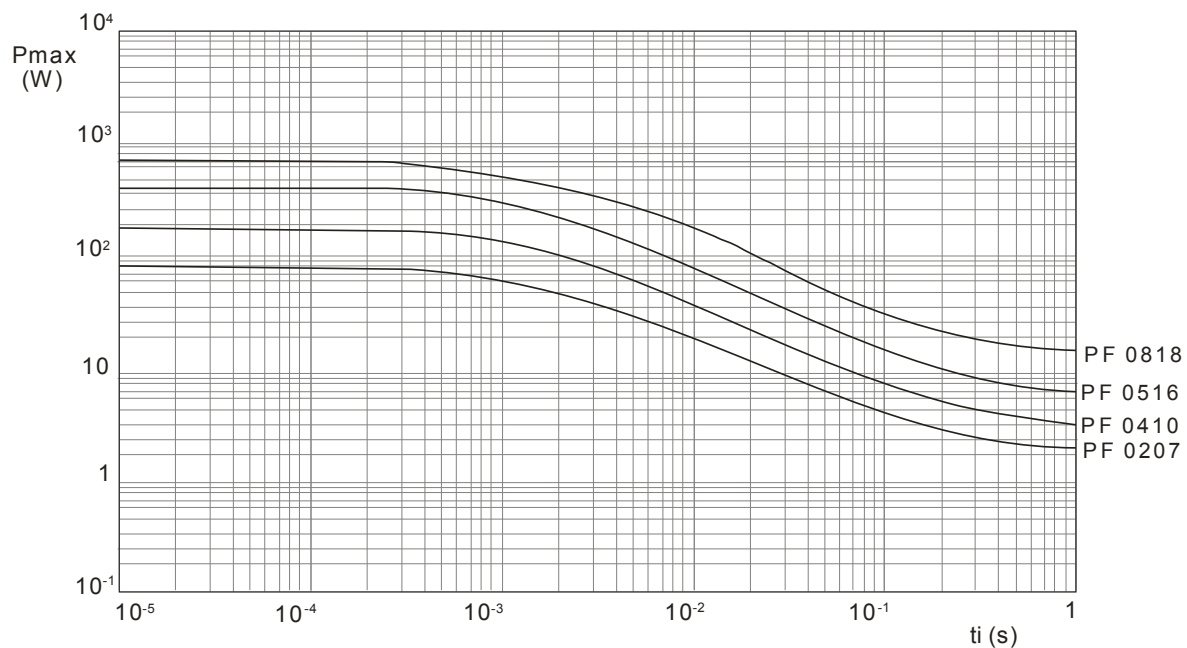
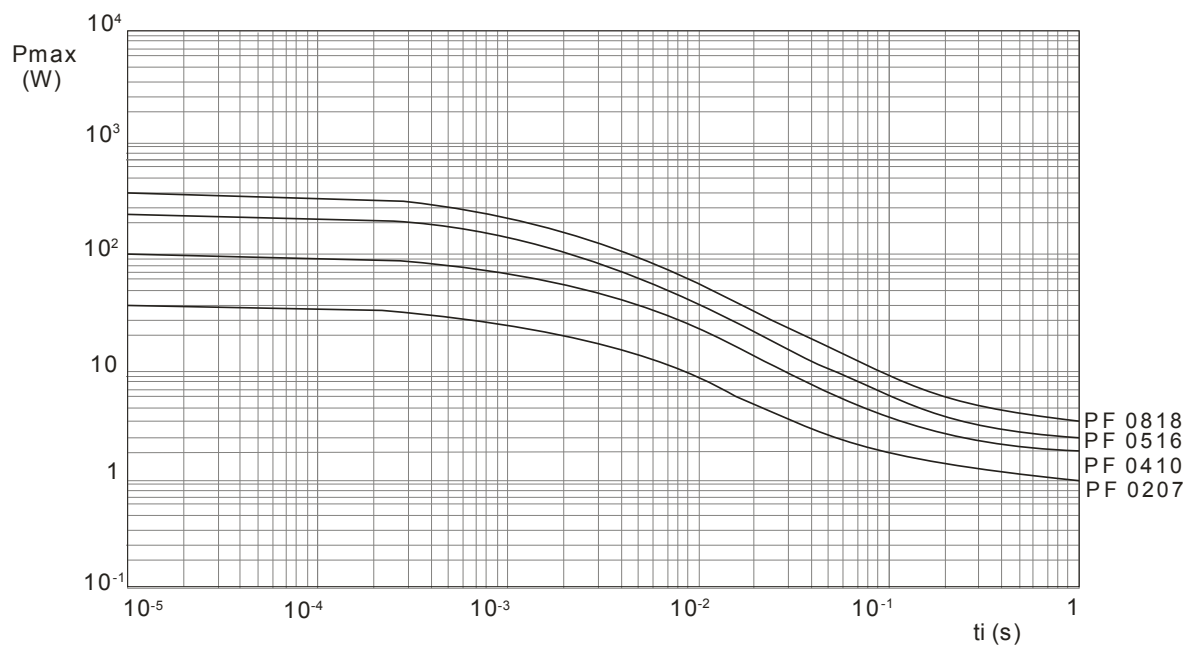
Packaging:

Type	Packaging	Pieces	Pack. Code
PF0207	taped / Ammopack	5000	T
	* taped / reel	5000	R
PF0410	taped / Ammopack	1000	T
	* taped / reel	2500	R
PF0516	taped / Ammopack	1000	T
	* taped / reel	1000	R
PF0818	taped / Ammopack	250	T

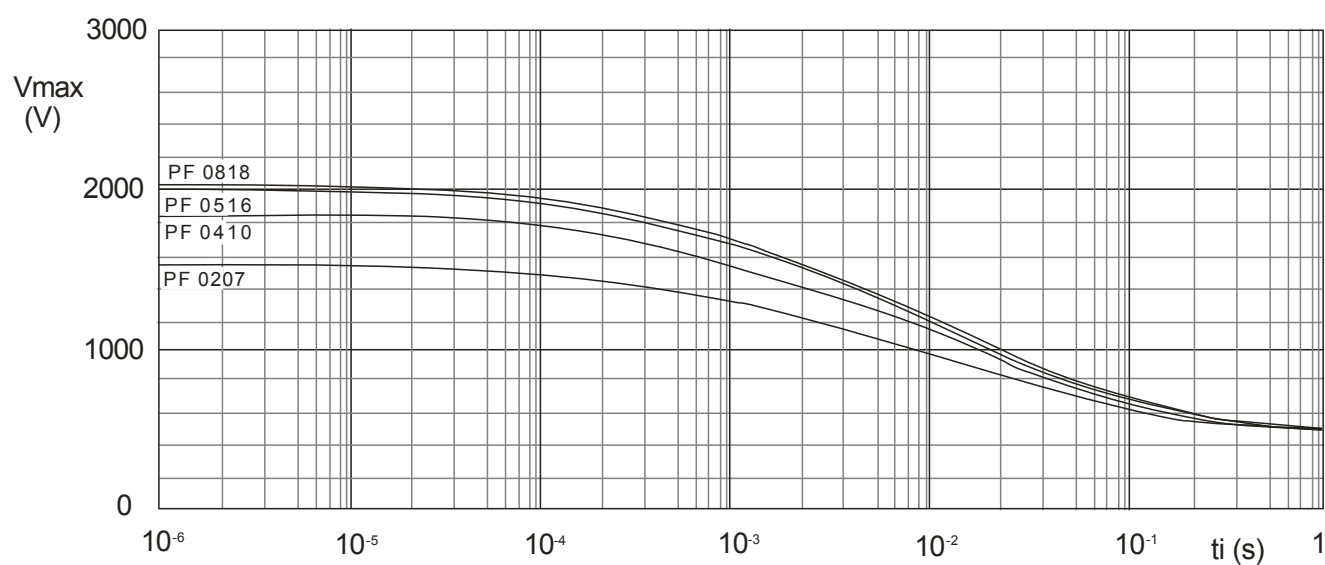
* on request

Ordering example: PF0207 5 T 15R
 Type Tolerance Pack.-Code R- value

PULSE RATING

Single Pulse $\bar{P} = 0$ Continuous Pulse $\bar{P} \leq P_{70}$ 

PULSE RATING



Pulse on a regular basis; maximum permissible peak voltage (V_{max}) as a function of pulse duration (t_i) for typical resistor