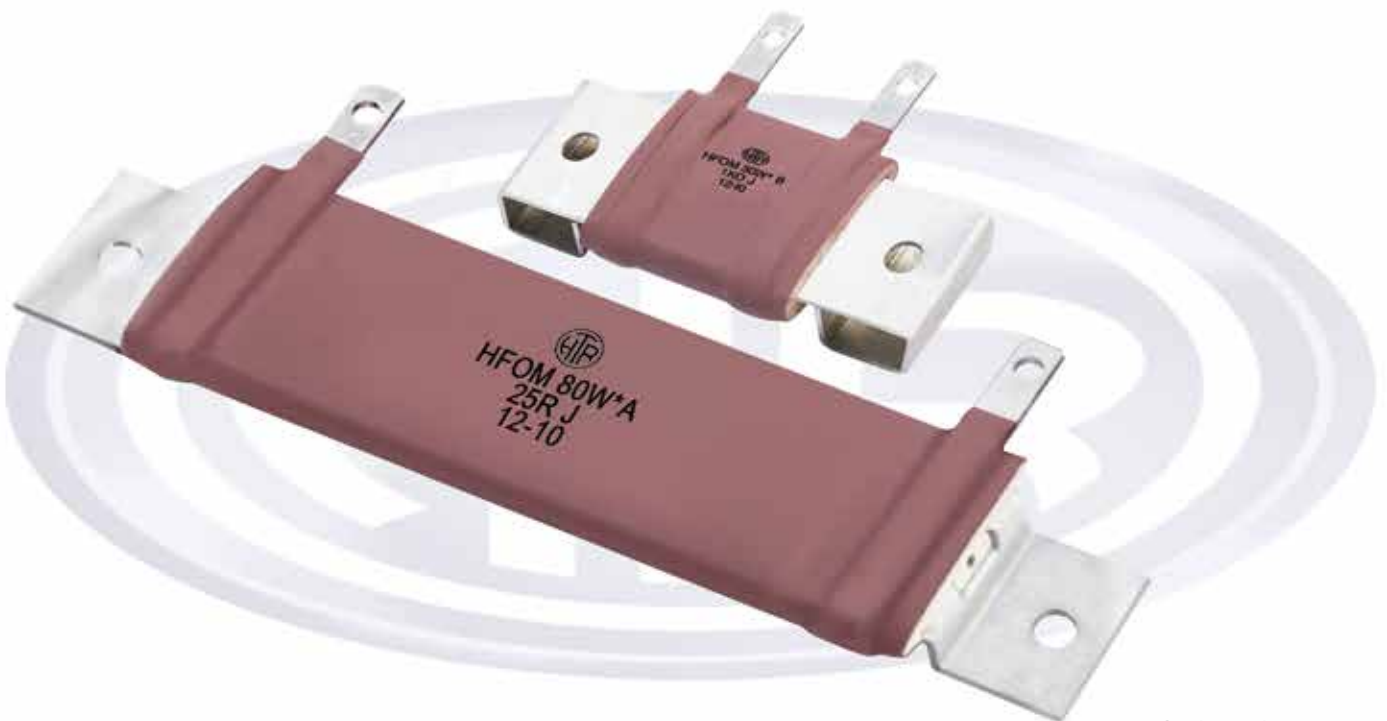




WIRE WOUND RESISTORS
SILICONE/CEMENT COATED TYPE

HFOM
SERIES
PRECISION POWER
• 30 W to 200 W
• R 10 to 40 K

AEC-Q200 Qualified



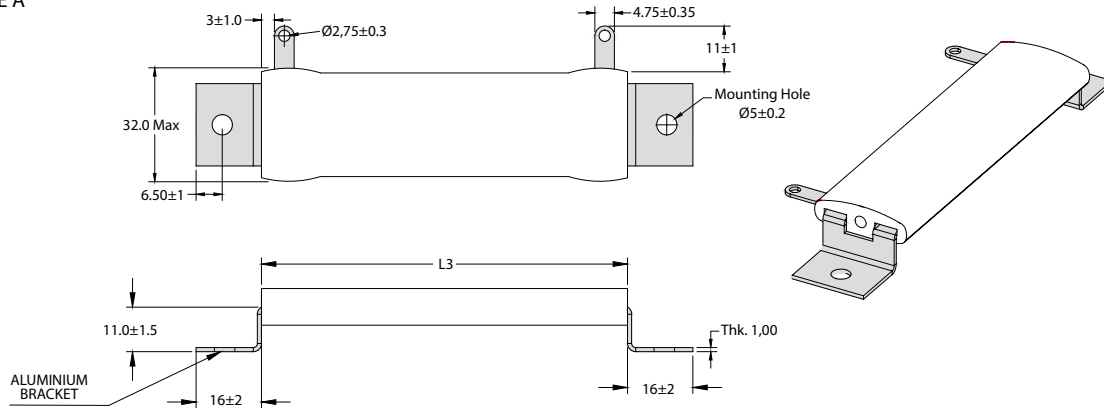


WIRE WOUND
RESISTORS
SILICONE/
COATED TYPE
HFOM

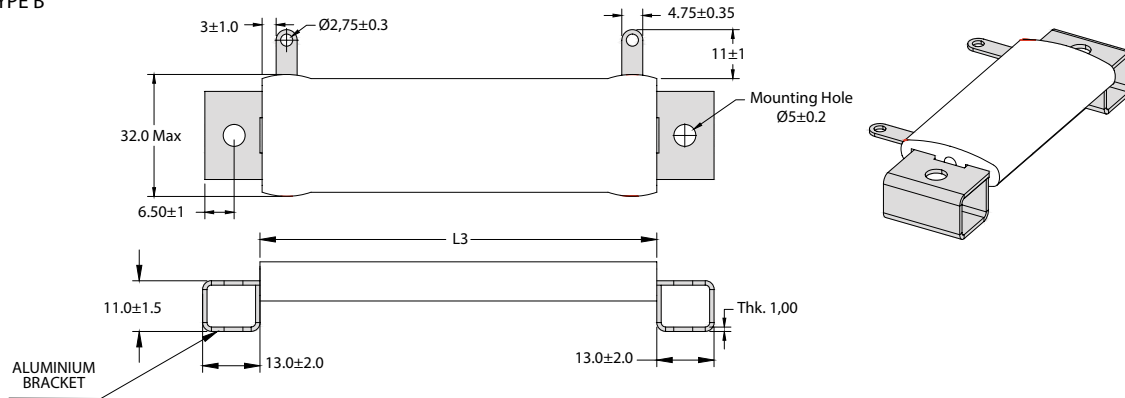
MOUNTING CONFIGURATION

These resistors are available in a choice of 2 mounting configurations.

1. TYPE A



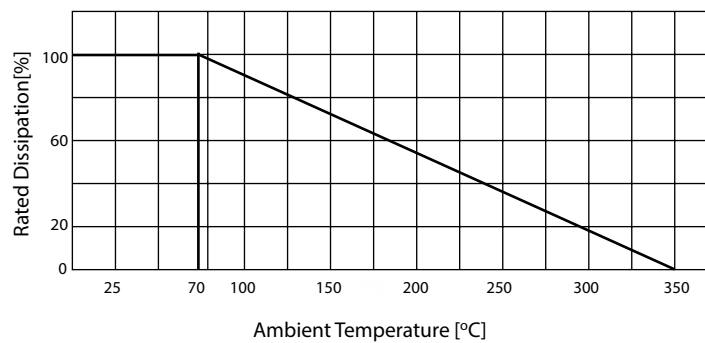
2. TYPE B



PHYSICAL CONFIGURATION

HTR TYPE	POWER RATING	DIMENSIONS (mm) L3±2	RESISTANCE RANGE	TYPICAL WT. PER PC (Gms)
HFOM 30W*	30W	32.0	R 10 to 5 K	20.0
HFOM 40W*	40W	51.0	R 10 to 8 K	33
HFOM 80W*	80W	90.0	R 10 to 18 K	50
HFOM 100W*	100W	120.0	R 10 to 27 K	62
HFOM 125W*	125W	153.0	R 10 to 33 K	75
HFOM 200W*	200W	200.0	R 10 to 40 K	100

DERATING CURVE





WIRE WOUND
RESISTORS
SILICONE/
COATED TYPE
HFOM

ELECTRICAL SPECIFICATION

PARAMETER	REQUIREMENTS
Power Rating (Rated Ambient Temperature)	Full power dissipation at upto 70°C and linearly derated down to zero at 350°C. [See Derating Curve above]
Temperature Range	- 40° C to + 250° C (with suitable de-rating as per curve shown)
Resistance Tolerance Available	± 10% (K) / ± 5% (J)
Voltage Rating / Limiting Voltage / Max. Working Voltage	$\sqrt{P \times R}$
Insulation Resistance (Test Method No. 302 of MIL 202F)	≥1000 MΩ
Short Time Overload (10 X Rated power for 5 sec.)	Max. ΔR ± (2% + R05)
Temperature Co-efficient of Resistance (Typical)	± 200 PPM / °C
Damp Heat (Steady State) / Humidity (70° C at 95% R.H. for 250 hours)	ΔR ± (3% + R05)
Solvent Resistance (IPA for 60 secs. ± 10 secs.)	No effect on coating / marking

PRINTING / MARKING :

HTR logo, type, value, tolerance & date code

FLAMMABILITY :

The resistor coating shall not emit fire / flame which even if it occurs will self extinguish within seconds.

PACKING :

TYPE / VALUE / TOL.	QUANTITY	SMALL BOX TYPE	SMALL BOX SIZE	PACKING TYPE
HFOM 30W* / NHFOM 30W*	30 PCS.	'A' TYPE	200mm X 150mm X 70mm	Bulk Packing
HFOM 40W* / NHFOM 40W*	30 PCS.	'A' TYPE	200mm X 150mm X 70mm	Bulk Packing
HFOM 80W* / NHFOM 80W*	25 PCS.	'A' TYPE	200mm X 150mm X 70mm	Bulk Packing
HFOM 100W* / NHFOM 100W*	20 PCS.	'B' TYPE	295mm X 140mm X 80mm	Bulk Packing
HFOM 125W* / NHFOM 125W*	20 PCS.	'B' TYPE	295mm X 140mm X 80mm	Bulk Packing
HFOM 200W* / NHFOM 200W*	20 PCS.	'B' TYPE	295mm X 140mm X 80mm	Bulk Packing

ORDERING INFORMATION AS AN EXAMPLE

SERIES	HTR PART NO	MOUNTING TYPE	RESISTANCE VALUE	TOLERANCE	MARKING ON RESISTOR
HFOM	HFOM30W*	A	R10	± 5%	HTR LOGO HFOM30W*A R10 J DATECODE
HFOM	HFOM30W*	B	R10	± 5%	HTR LOGO HFOM30W*B R10 J DATECODE
HFOM	HFOM30W*	NONE	R10	± 5%	HTR LOGO HFOM30W* R10 J DATECODE

Notes :

- For inductance details in non inductive types, please indicate resistance value required.
- For pulse types please indicate derated pulse requirements.
- For non-inductive resistors, please prefix 'N' before the HTR type eg. NHFOM
- For impulse type, please suffix HTR type with 'I' eg. HFOMI