RESETTABLE FUSE

ANNULS DISK PTC
AD MODEL

■ FEATURES

- Design available on request
- Operation current: on request
- Maximum voltage: on request
- Temperature range: -40℃ to 85℃
- Bulk packaging on most models

■ APPLICATIONS

- Rechargeable battery packs protection
- Lithium cell and battery packs
- Motors, etc….

■ PART NUMBERING SYSTEM

ERF AD 100 15 00 Z

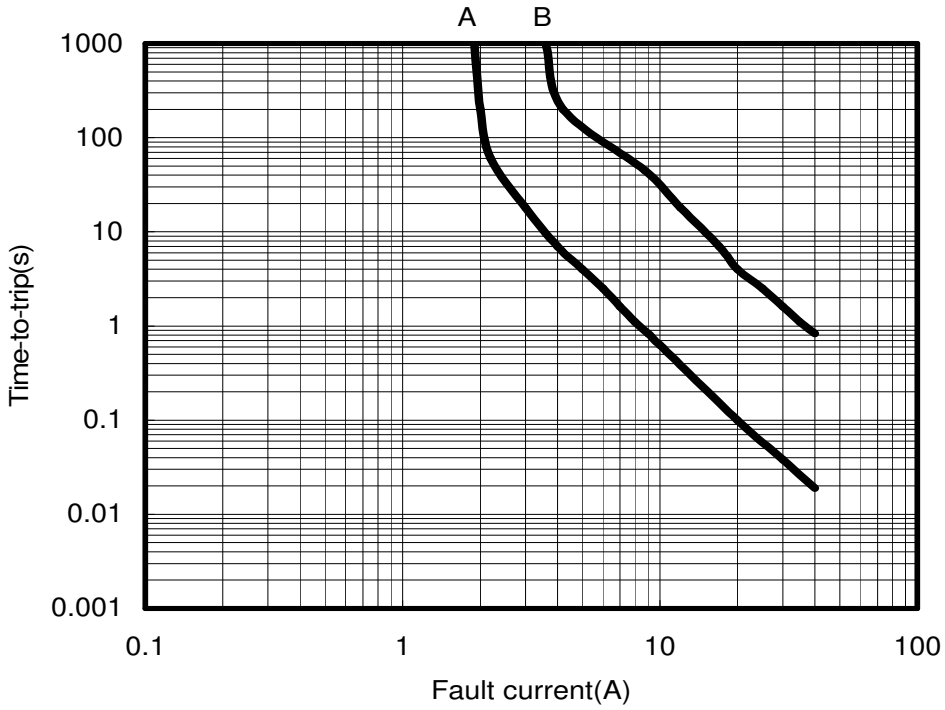
- Z: RoHS Compliant
- Special number (Diameter code)
- Voltage rating: 15:15V
- Current rating: 100: 1.00A
- Model: AD: Annuls Disk type
- Product Name: Resettable Fuse

■ Electrical characteristics(23℃)

Part Number	Hold Current	Trip Current	Max. Time to trip	Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance		
							R_{MIN}	R_{MAX}	$R1_{MAX}$
	I_H, A	I_T, A	at 5x I_H	I_{MAX}, A	V_{MAX}, V_{dc}	Pd, W	Ω	Ω	Ω
AD1001500Z	1.00	2.5	10.0	40	15	2.5	0.085	0.160	0.220
AD3401600Z	3.40	8.7	8.0	40	16	3.5	0.008	0.019	0.036

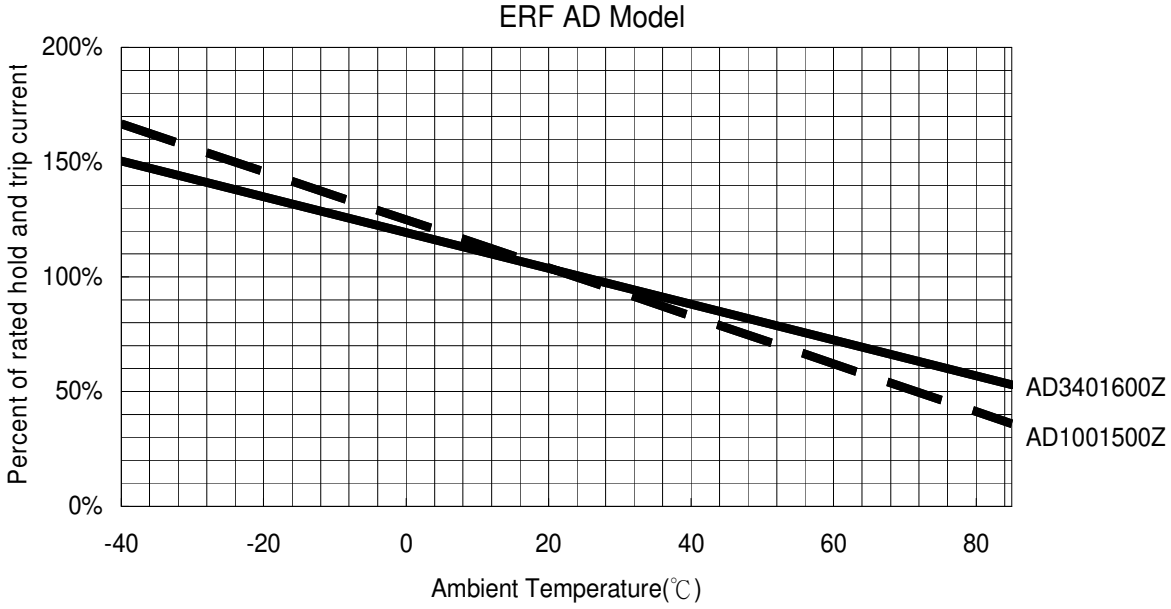
I_H=Hold current-maximum current at which the device will not trip at 23℃ still air.
I_T=Trip current-minimum current at which the device will always trip at 23℃ still air.
V_{MAX}=Maximum voltage device can withstand without damage at rated current.
I_{MAX}= Maximum fault current device can withstand without damage at rated voltage (V max).
Pd=Typical power dissipated from device when in the tripped state in 23℃ still air environment.
R_{MIN}=Minimum device resistance at 23℃.
$R1_{MAX}$=Maximum device resistance at 23℃ 1 hour after tripping .

■ Typical time-to-trip-at 23℃



A=AD1001500Z
B=AD3401600Z

■ Thermal Derating Curve



■ AD Product Dimensions (UNIT: mm)

Part Number	A		B		C		Figure
	Min	Max	Min	Max	Min	Max	
AD1001500Z	15.95	16.05	10.95	11.05	0.28	0.38	1
AD3401600Z	20.90	21.10	6.40	6.60	0.51	0.61	2

Figure 1

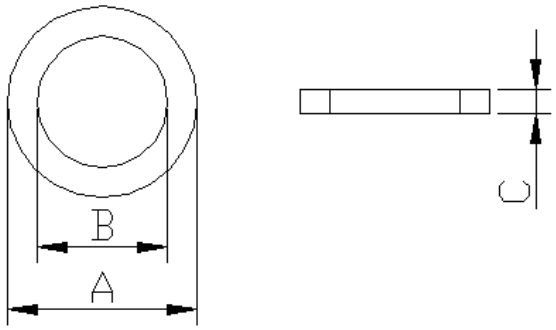


Figure 2